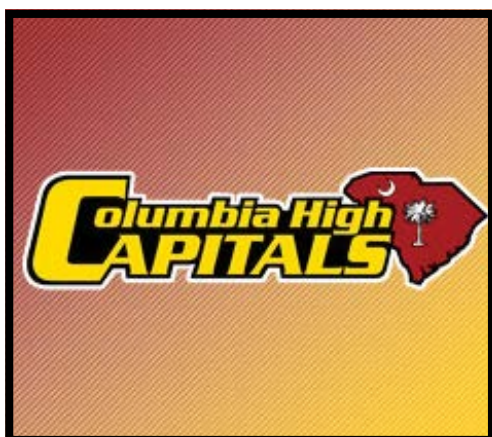


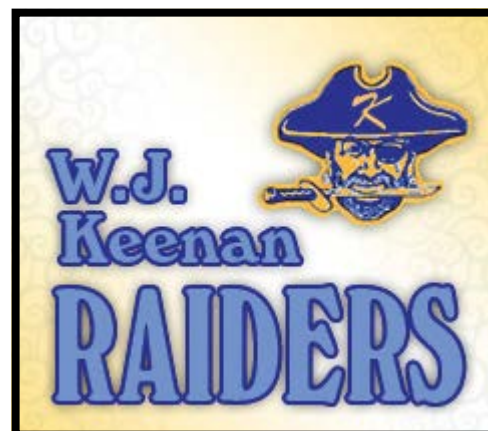
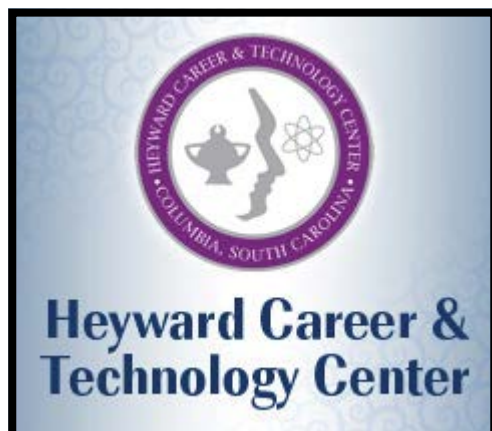
Richland One

South Carolina's Capital Schools

Richland County School District One High School Course Catalog



2017-2018



DISTRICT INFORMATION

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Richland County School District One

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Eau Claire High School

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Neshunda Walters, Principal

Heyward Career & Technology Center

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Telephone (803) 735-3343
Fax (803) 691-4253
Dr. Sherry Rivers, Principal

Keenan High School

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Alvin Pressley, Principal

Lower Richland High School

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Hopkins, SC 29061
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Fax (803) 695-3062
Rose Pelzer, Principal

Olympia Learning Center

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Telephone (803) 400-1650
Fax (803) 400-1700
Nathan White, Principal

DISTRICT OVERVIEW

Richland County School District One seeks to offer our students educational opportunities in a personalized environment that promotes learning. The goal of the district is to prepare students for a 21st century and life-long learning. In order to accomplish this goal, Richland County School District One provides a challenging and relevant curriculum. The curriculum includes clusters of study, majors and an IGP Success Planner. Clusters of Study are broad, educational pathways. A major is designed to focus on an area of interest, although students are never locked into a specific cluster or major. An IGP Success Planner is designed in consideration of success with prior course work, assessments and teacher recommendations.

MISSION STATEMENT

We are Richland One, a leader in transforming lives through education, empowering all students to achieve their potential and dreams.

STRATEGIC OBJECTIVES

- Students will master numeracy and literacy skills.
- Students will demonstrate higher order thinking, social skills, and character traits necessary to be contributing citizens in a global society.
- As life-long learners, students will be empowered to continue exploring their interests and passion.

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GENERAL INFORMATION

SOUTH CAROLINA HIGH SCHOOL DIPLOMA REQUIREMENTS

To be eligible to receive a state high school diploma, students must be actively enrolled at the high school issuing the diploma a semester prior to the graduation date except in the case of a bona fide change of residence. Based on State Law, requirements to receive a South Carolina High School Diploma (graduation requirements) for students in grades 9 - 12 are prescribed as follows:

English/Language Arts	4 units
Mathematics	4 units
Science	3 units
United States History and Constitution	1 unit
Economics	½ unit
United States Government	½ unit
Other Social Studies Elective	1 unit
Physical Education or Junior ROTC	1 unit
Computer Science	1 unit
World Language	1 unit
OR	
Career and Technology Education	1 unit
TOTAL CORE UNITS	17 UNITS
Electives:	7 units
(Includes Comprehensive Health Requirements)	
TOTAL UNITS	24 UNITS

- All students must take End-of-Course Examinations in order to meet graduation requirements set by the State Board of Education.
- All students must earn one unit of credit in computer science. A unit of credit applied toward the computer science requirement may not be used to meet the mathematics requirements or the Career and Technology Education requirements.
- All students must meet the minimum graduation requirement of one foreign language or one unit in Career and Technology Education (CATE). All students planning to attend a four year college or university are required to take two units of the same foreign language. Some colleges or universities require three units of the same world language.
- A half unit of study which meets the Comprehensive Health Requirements must include a course completed in Personal Health (340200CH).
- One unit of fine arts, found in the "Visual and Performing Arts" section, is required as a pre-condition of admission for students planning to attend public four-year college or university.
- Students are encouraged to exceed the minimum number of credits for graduation and take advantage of the many opportunities provided in each high school. Relevant curricular choices in the elective areas will prepare each student for post-secondary educational opportunities after graduation.

COMMENCEMENT EXERCISES

Only those students who pass all the units required for a diploma or certificate may participate in the commencement exercise held at the end of the school year.

GRADE CLASSIFICATION

Grade classification is determined only at the beginning of the school year. In order to comply with state law and ensure continuous and appropriate progress through Grades 9-12, the Richland County School District One Board of Commissioners has established Administrative Rule IKE-R attached to the district Promotion and Retention Policy. Students are promoted or retained in grade classification based on these criteria:

GRADE 9

Grade classification as a ninth grade student is determined by the eighth grade promotion standards.

GRADE 10

Grade classification as a tenth grade student requires the completion of six units to include:

English 1	(1 unit)
Mathematics	(1 unit)
Additional Credits	(4 units)

GRADE 11

Grade classification as an eleventh grade student requires the completion of twelve units to include:

English 1 and 2	(2 units)
Mathematics	(2 units)
Science	(1 unit)
Social Studies	(1 unit)
Additional Credits	(6 units)

GRADE 12

Grade classification as a twelfth grade student requires the completion of eighteen units to include:

English 1, 2, and 3	(3 units)
Mathematics	(3 units)
Science	(2 units)
Social Studies	(2 units)
Additional Credits	(8 units)

If a student has sixteen units and is enrolled in course work which would allow him/her to complete the twenty-four units needed for a South Carolina High School Diploma within the school year, the student will be eligible to participate in senior activities and events. However, participating in senior activities and events is not a guarantee that graduation requirements will be successfully met.

HONOR GRADUATES

Students with an outstanding academic performance will be recognized as honor graduates with one of the following accolades:

Valedictorian – The student(s) of the graduating class with the highest Grade Point Average (GPA).

Salutarian – The student(s) of the graduating class with the second highest Grade Point Average (GPA).

In a case of more than one student having the highest or second highest grade point average, multiple valedictorians or salutarians may be declared and no attempt will be made to break ties. If there are multiple valedictorians, commencement speeches will be given by the valedictorians.

HIGH SCHOOL SCHOLARS PROGRAM

Any rising 9th or 10th grade student, who has the ability and desire for excellence in academics and to contribute meaningfully to the school may apply. To earn a special diploma, a 4.0 grade point average (GPA) in HW, AW, IW, or EW courses must be maintained throughout their High School experience. No grade below a "C" will be accepted. When computing the GPA for High School Scholars, HW, AW, IW or EW will be given the same weight towards the 20-unit requirement (4 English, 4 Math, 4 Science, 4 Social Studies, and 3 World Languages). One unit of PE/ROTC, along with 10 units of Electives is also required). Students must also earn 8 points (minimum) for extracurricular activities. These points may be earned through school activities, sports, or community service. If students participate in some activities not included in the point system, they have the right to present them to the Guidance counselor to determine whether these activities can count towards the extracurricular requirements. The activities that are submitted for extracurricular points should be verified by the appropriate sponsor, instructor, coach, etc., and turned into the school's HSS contact person by March 1st of each year. Seniors must turn in their extracurricular points no later than the end of the first semester of their senior year. All High School Scholars are automatically named Academic All-Stars.

ACADEMIC ALL-STAR

This program recognizes high school seniors in the District who have achieved academic excellence. To qualify as an Academic All-Star, students must be ranked in the top 10% of their high school's senior class and have at least a 3.5 grade point average (GPA). All honorees must be candidates for graduation in the spring of their junior year. Students who are ranked in the top 10% of their senior class but do not have at least a 3.5 GPA are ineligible. No grade below a "C" will be accepted. Selection is made based upon the students' academic standing at the end of the first semester of their senior year.

INTERSCHOLASTIC ACTIVITIES

Interscholastic Competitive (Co-Curricular) activities are school-sponsored activities that result in the presentation of a rating, trophy, or award. Visual and performing arts students participating in graded experiences outside of class are not included.

A student must not have received a high school diploma. If a student turns 19 years of age before July 1 of the upcoming school year he/she is not eligible.

Specific requirements for academic eligibility are as follows:

1. To participate in interscholastic activities, students in grades six through twelve must have a 2.00 Grade Point Average (GPA/70) in all courses in which the student was enrolled in the proceeding semester.
2. Students must satisfy eligibility requirements in the semester preceding participation.
 - a. First semester eligibility is determined by using the final grades earned during the previous year.
 - b. Credits earned in a summer school approved by the South Carolina Department of Education may apply to first semester eligibility. A maximum of two courses per year may be used.
 - c. Second semester eligibility is determined by using the semester grade for courses taken during the first semester.
3. Special Education students:
 - a. Students identified as special needs and are being served in a non-diploma program shall be considered eligible for participation in interscholastic activities if he/she is successfully meeting the requirements of his/her Individual Evaluation Plan (IEP).
 - b. Students identified as special needs and are being served in a program leading to a state high school diploma must meet all eligibility requirements previously stated for participation in interscholastic activities.

4. Terms defined:

- a. Course — any approved course of instruction in the secondary curriculum, required or elective, for which one unit of credit or its equivalent is awarded on a yearly basis or one-half unit of credit or its equivalent is awarded on a semester basis. If more than one unit of credit is awarded on a yearly basis in a particular course, this subject shall count as more than one course.
- b. Academic Course — those courses of instruction for which credit toward high school graduation is given. These may include required courses or approved electives.
- c. Required Courses — courses specifically mandated for a high school diploma. Credit courses used for eligibility purposes must be courses that are applicable as credit toward a South Carolina High School Diploma. A student may also use college credit courses provided the student has met or is meeting all requirements for graduation.

Academic deficiencies may not be made up through enrollment in extension or correspondence schools or adult education programs.

HONORS COURSES

Honors courses, which extend and deepen the opportunities provided by courses at the high school level, are designed for students exhibiting superior abilities in the particular content area. The honors curriculum places emphasis on critical and analytical thinking, rational decision making, and inductive and deductive reasoning.

Honors courses may be offered in English, mathematics, science, and social studies. Honors weighting is one half of a quality point (.5) higher in weighting than college preparatory (CP) courses. Honors weighting may be designated in other content areas for the third and fourth level of the courses, provided that the courses meet the standard criteria for an honor level course. Honors weighting may not be designated in any physical education courses.

DUAL CREDIT COURSES

Dual credit courses that are taken at the school where the student is enrolled or at postsecondary institution are those courses for which the student has been granted permission by his or her home school and approved by the district to earn both Carnegie units and college credit for those particular courses.

One quality point is added to the CP weighting for dual credit courses that are applicable to baccalaureate degrees or to associate degrees offered by accredited institutions (see State Board of Education Regulation 43-234, Defined Program, Grades 9-12, and Regulation 43-259, Graduation Requirements).

ADVANCED PLACEMENT AND INTERNATIONAL BACCALAUREATE COURSES

The following criteria apply to the College Board's Advanced Placement (AP) courses and International Baccalaureate (IB) courses, which include those offered online and in other nontraditional settings and those recorded on a transcript from an out-of-state school that is accredited under the regulations of the board of education of that state or the appropriate regional accrediting agency: the New England Association of Colleges and Schools, the Middle States Association of Colleges and Schools, the Southern Association of Colleges and Schools, the Western Association of Colleges and Schools, or the Northwest Association of Colleges and School (as specified in State Board Regulation 43-273, Transfers and Withdrawals).

- Only AP or IB courses can be awarded a full quality point above the CP weighting. Seminar or support courses for AP or IB may be weighted as honors but not as AP or IB courses.

- An AP course can carry only one unit with one quality point above CP weighting.
- A standard-level (SL) IB course can carry only one unit with one quality point above CP weighting. However, two units of IB credit can be granted for higher-level (HL) courses in the IB program that require a minimum of 240 hours of instruction. Each credit can earn one quality point above CP weighting.

END-OF-COURSE EXAMINATION PROGRAM (EOCEP) COURSES

The End of Course Examination Program (EOCEP) is a statewide assessment program of end of course tests for gateway courses awarded units of credit in English/language arts, mathematics, science, and social studies. The State of South Carolina mandates an end-of-course examination after completion of Algebra 1/Intermediate Algebra, Biology 1, English 1, U. S. History and Constitution. EOCEP examination scores count 20 percent in the calculation of the student's final grade in gateway courses.

Students will be allowed to take the examination only once, at the end of the regular course duration and not at the end of an extended period granted through the credit recovery option. Students who repeat the course must be treated as though they are taking the course for the first time, and all requirements will apply.

VIRTUALSC

VirtualSC is a free state-sponsored online program serving students currently attending public, private and home schools in grades 7-12 and Adult Education Programs. VirtualSC offers rigorous online courses aligned to state standards that are developed and taught by Highly Qualified, SC licensed teachers. VirtualSC partners with schools to provide an individualized online learning solution for students on the path to high school graduation. Students should contact their school counselor for an information packet and then visit <http://ed.sc.gov/>.

GRADING POLICY

The modified South Carolina Uniform Grading Scale and the system for calculating grade point averages (GPAs) and class rank will be effective for all students being awarded high school credits. Credit bearing courses completed prior to August 15, 2016, will be awarded quality points based on the 7 point grading scale associated with the weighting of the course.

10 Point Scale	Letter Grade	7 Point Scale
90-100	A	93-100
80-89	B	92-85
70-79	C	77-84
60-69	D	70-76
0-59	F	Below 69

Coursework completed after August 15, 2016, will be awarded quality points based on the 10 point grading scale with the weighting associated with the course. Quality points awarded are limited to the use of the three-decimal-place conversion factors specified in the South Carolina Uniform Grading Policy grade point conversion chart. No additional criteria will be used to determine quality points awarded.

COURSES CARRYING CARNEGIE UNITS

The uniform grading scale and the system for calculating GPAs and class rank will apply to all courses carrying Carnegie units, including units earned at the middle or junior high school level.

All report cards and transcripts will use numerical grades for courses

carrying Carnegie units. Transcripts and reports cards will specify the course title and the level or type of course the student has taken (e.g., English 1, Algebra 2 honors, AP U.S. History). The grading scale title must be printed on the report card. All report cards and transcripts will use numerical grades for courses carrying Carnegie units.

COMPUTING GRADE POINT AVERAGES

GPAs earned by students will be calculated based on the Grading Policy in force at the time of their enrollment. Computations will not be rounded to a higher number.

All South Carolina public schools will use the following formula to compute all GPAs:

$$\text{GPA} = \frac{\text{sum(quality points x units)}}{\text{sum of units attempted}}$$

STUDENT EXAMPLE

School Year	Course Taken	Numeric Average	Quality Points from chart	Units	Quality Points Earned
2015-2016	English 1	91	3.75	1	3.75
2015-2016	Algebra 1	87	3.25	1	3.25
2016-2017	Biology 1	94	4.4	1	4.4
2016-2017	World Geography, Honors	83	3.8	1	3.8
2016-2017	Health	88	3.8	.5	1.9
Total				4.5	17.1

$$\text{GPA} = \frac{17.1}{4.5} = 3.800$$

CONVERTING GRADES ON TRANSCRIPTS

Out of State, Non-Public Schools

When transcripts are received from accredited out-of-state schools (or in state from accredited sources other than the public schools) and numerical averages are provided, those averages must be used in transferring the grades to the student's record. If the letter grades with no numerical averages are provided, the chart below will be applied. If the transcript indicates that the student has earned a passing grade in any course in which he or she had a numerical average lower than 60, that average will be converted to a 63 numerical grade on the new scale. See State Board of Education Regulation 43-273 for additional information on transfers and withdrawals.

Letter Grade	7-Point Grade Scale (courses completed prior to August 15, 2016)	10-Point Grade Scale (courses completed post to August 15, 2016)
A	96	95
B	88	85
C	80	75
D	73	65
F	61	51

PASS (P)/FAIL (F) GRADES

If the transcript shows that the student has earned a grade of P (passing), that grade will be converted to a numerical designation on the basis of information secured from the sending institution as to the appropriate numerical value of the P. If no numerical average can be obtained from the sending institution, the student's cumulative transfer GPA will be calculated and the corresponding number equivalent will be assigned to

replace the P. (For example, if a student transfers with a cumulative GPA of 3.5 on the CP scale, the grade of P would be converted to an 85. A grade of P, in other words, will neither positively nor negatively impact the student's transfer GPA.)

CREDIT RECOVERY OPTION

Credit Recovery is an option for schools to implement in order to better assist students who are at risk of failing to graduate due to course failure. The purpose of this program is to offer an opportunity for motivated students to recover lost credit by using an alternative instructional model. Credit Recovery is for students who have met the seat time requirement (120 hours for 1 unit and 60 hours for ½ unit) and earned a final grade of 51-59. Students who did not meet the seat time requirement, earned a "WF" or earned a final grade below 51 are not eligible for Credit Recovery. There are specific guidelines for participation in the Credit Recovery courses. Please seek assistance from your school counselor for additional information on credit recovery options.

WITHDRAWING FROM A COURSE

With the first day of enrollment in the course as the baseline, student who withdraw from a course within three days in a 45-day course, five days in a 90-day course, or ten days in a 180-day course will do so without penalty.

Students who withdraw from a course after the specified time of three days in a 45-day course, five days in a 90-day course, or ten days in a 180-day course shall be assigned a Withdrawal Fail (WF), and F (as a 51) will be calculated in the student's overall grade point average.

The three-, five-, and ten-day limitations for withdrawing from a course without penalty do not apply to course or course-level changes approved by the administration of a school. Withdrawal limitation for distance learning courses will be established by local districts.

Students who drop out of school or are expelled after the allowed period for withdrawal but before the end of the grading period will be assigned grades in accordance with the following policies:

- The student will receive a Withdrawal Passing (WP) if he or she was passing the course. The grade of WP will carry no Carnegie units and no quality points to be factored into the student's GPA.
- The student will receive a WF if he or she was failing the course. The grade of WF will carry no Carnegie units but will be factored into the student's GPA as a 51.

LEVEL CHANGES

Level change requests are considered with a written parent request. Class availability will be factored in level change request. Students may request a level change in core academic course level within one week after the first four and a half week interim period of a 90-day course or within one week after the nine weeks report card of a 180-day course.

If a student transfers from one section to another of the same course where different weights are assigned (e.g., from Honors Algebra 2 to CP Algebra 2), the weight assigned to the grade shall be the weight for which course is completed; partial weights cannot be assigned. Level changes from CP to Honors course must be completed by the end of the first grading period of a course. See Appendix D for the Grade Point Conversion Chart.

RETAKE A COURSE

Students in grades nine through twelve may retake a course at the same level of difficulty if they earned a D or F in that course. The student's record will reflect all courses he or she has taken and the grades he or she has earned.

The student may retake the course either during the current school year or during the next school year but no later than that second year. In addition, the student must retake the course before he or she has enrolled in the

next sequential course (unless the student is granted approval by school administration to do so).

A student who has taken a course for a Carnegie unit prior to his or her ninth-grade year may retake that course regardless of the grade he or she has earned. In such a case, only the retake grade will be used in figuring the student's GPA, and only the retake attempt will show on the transcript. This rule will apply whether the retake grade is higher or lower than the grade the student previously earned.

GUIDELINES FOR REGISTERING

Freshmen, sophomores, and juniors must register for eight units of high school credit. Students must select an alternate course selection for each elective course chosen during registration. Seniors are required to enroll in at least six courses with a minimum of three courses in one term and three in the other term. Students and parents should carefully select alternatives just in case the alternates replace any selected elective courses without further consultation with students or parents.

All English courses must be taken in sequence (1, 2, 3, and 4) with only one required English per year unless a course is being repeated. Selection in the ninth grade mathematics is chosen by the level of mathematics achieved at the end of the eighth grade. The ninth grade science will be Biology 1, which is a gateway course that requires completion of the End-of-course examination program (EOCEP) and counts 20 percent in the calculation of the student's final grade in Biology 1. Other methods for determining students course selection includes review of grades, test scores, and teacher recommendations. Students are reminded that once school begins a change in course level are granted if there is available space in the course(s). The goal is to avoid rearrangement of the entire schedule when addressing level changes.

AVAILABILITY OF CLASSES

Based on student requests, courses can be offered during registration but dropped from the master schedule dependent on student enrollment and teacher staffing. If a course is dropped from the master schedule, the selected alternates will be used to fill the student's schedule. If that alternate course is not available, the student/parent will be contacted by the school counselor to make a new selection. School counselors will make the choice for students/parents that can not be reached.

ATTENDANCE/DENIAL OF CREDIT

The South Carolina State law requires all students who attend public school in South Carolina must be in attendance a minimum of 42 days of a 45 day, 85 days of a 90 day course, 170 days of a 180 day to receive credit upon successful completion. This law is excusable only for cases of illness certified by a physician. Excuses brought in at the end of the school year to cover absences will not be accepted and the students are responsible for being aware of their overall number of days, absences, and individual class absences.

If a student in grades 9-12 has more than three days unexcused from a semester course or five unexcused absences in a year-long course, the student will not receive credit for that course. Please note absences are applied to each class individually.

If a student fails a course due to excessive absences, a Frequent Absence (FA) will be recorded on his or her transcript. The grade of FA will carry no Carnegie units but will be factored into the student's GPA as a 51.

NOTES FOR ABSENCES

According to South Carolina law, excessive student absences may lead to denial of credit. Students must present an excuse to proper school officials within three school days following the return from an absence or absences. Notes for absences determine whether credit can be awarded. Physician, legal and death in the family notes are acceptable for excused absences.

INCOMPLETES

A teacher may give a grade of "incomplete" during the course of the school year if, an extension of the time to complete course expectations is appropriate due to extenuating circumstances such as a documented long term illness or a death in the immediate family. The principal must approve the extension and it is at the principal's discretion to approve any extension beyond the teacher's extension. The student's incomplete grade will be reported as an "I". Once the work has been completed, the teacher will authorize the appropriate change in grade by completing a Grade Change Form.

If the work is not completed within the agreed upon time, the incomplete grade will be valued as a 51 or the student's average without the completed work, whichever is lower, and this numerical grade will be included in the student's grade point ratio. All final grades are numerical. An incomplete (I) cannot be a final grade.

EARLY GRADUATION

Early graduation request will be reviewed by the principal after the student and parent completes a early graduation application, which includes a written request detailing the reason for completing high school earlier than a four year period. The request should be given to the student's school counselor for processing. If approved, the student will be eligible to participate in commencement exercises at the end of the school year of early completion. Students are encouraged to take advantage of dual credit and other curriculum opportunities that will better prepare them for postsecondary plans.

LATE ARRIVAL/EARLY DISMISSAL

Eligible seniors will be given the option for late arrival and early dismissal after courses for graduation requirements have been selected. Freshmen, sophomores and juniors are not eligible for late arrival or early dismissal. Late arrival or early dismissal will be denied if students are not demonstrating successful progress in courses required for graduation.

SCHEDULE CHANGE REQUEST

Students should carefully select courses during the registration process including the selection of alternate courses. Student request determine the courses that will be offered in the master schedule. Schedule change request will be accepted prior to schedule change deadline. Schools announce the schedule change deadline during registration. No preference changes are made after the schedule change deadline. Changes will be made if summer school, credit recovery and/or VirtualSC completion warrants a change.

Additionally, course changes can only be considered under the following conditions:

- The student has passed a class that is listed on the schedule.
- The student has not passed a prerequisite course for a class that is listed on the schedule.
- The student is a senior and does not have a course required for graduation listed on the schedule.
- A student requests a schedule change for health conditions. A doctor's statement must be provided prior to a change.
- A class is cancelled.

When a request is made the student will follow the original schedule until changes are approved and a new schedule is received.

SEVENTH AND EIGHTH GRADE STUDENTS EARNING HIGH SCHOOL CREDIT

When approved by the principal and the parents, a student promoted to the seventh or eighth grade who has given evidence of superior achievement or who has a special need may earn high school credit in courses identified by the district. STUDENTS MUST EARN 60 OR BETTER TO RECEIVE HIGH SCHOOL CREDIT.

The credits may be earned in the areas of computer science (including keyboarding, computer applications), English 1, mathematics (Algebra 1, Geometry) and world language. A student who has taken a course for a Carnegie unit prior to his or her ninth-grade year may retake that course regardless of the grade he or she has earned. In such a case, only the retake grade will be used in figuring the student's GPA, and only the retake attempt will show on the transcript. This rule will apply whether the retake grade is higher or lower than the grade the student previously earned.

HIGH SCHOOL ALTERNATIVE PROGRAMS

What are High School Alternative Programs? Sometimes students in high school need a different path to graduation. Whether you are behind, or re-taking courses you failed, alternative programs can help you evaluate your options and develop a path that is right for you.

The Richland County School District One Learning Center is a full service learning facility that offers meaningful educational opportunities for students in grades six through twelve. Students who attend the Olympia Learning Center are students of "Choice" who prefer a non-traditional, innovative and personal school setting.

The Richland One EXCEL Academy is a graduation acceleration program designed for high school students who are seeking on- time graduation. The program provides online and direct instruction that allows students to recover/accrue credits in a flexible environment. Students participate in an advisor/advisee program delivered by teachers who are certified in the core content areas. Additionally, each student has a graduation team that is actively involved in their progress. Students will participate in the graduation ceremony at their home schools. In order to qualify for the program, students must not currently be on long-term suspension/expulsion and must not have severe discipline and/or attendance problems.

Richland One Middle College is housed on the campus of Midlands Technical College, and is a public charter school that offers 11th and 12th grade high school students academic and technical skills that make the transition from high school into college seamless. A small and powerful learning community, ROMC offers college- leveled classes, workplace experiences, extensive systems of extra help, and personalized graduation plans. Students are also required to perform 90 hours of community service every year. Richland One Middle College (ROMC) was awarded the 2007 Innovator Award by the Southern Growth Policies Board. The Award recognizes the Middle College program as being a leader in creating a globally competitive workforce.

THE NCAA AND NCAA ELIGIBILITY CENTER

The National Collegiate Athletic Association (NCAA) serves as the athletics governing body for more than 1200 colleges, universities, conferences, and organizations. The NCAA Eligibility Center certifies the academic and amateur credentials for all college-bound student-athletes who wish to compete in NCAA Division I, II, or III athletics. Contact the Athletic Director or school counselor at your school to have questions answered regarding NCAA eligibility. Creating an account is the first step to becoming an NCAA student-athlete. Visit www.eligibilitycenter.org to register. Students are responsible for ensuring NCAA eligibility.

TEST SCORES

Division I has a sliding scale for test score and grade-point average. The sliding scale for those requirements is shown in Appendix D. Division II has no sliding scale. The minimum core grade point average is 2.000. The minimum SAT score is 820 (verbal and math sections only) and the minimum ACT sum score is 68. The SAT score used for NCAA purposes includes only the critical reading and math sections. The writing section of the SAT is not used.

The ACT score used for NCAA purposes is a sum of the four sections on the ACT: English, mathematics, reading and science. All SAT and ACT scores must be reported directly to the NCAA Eligibility Center by the

testing agency. Test scores that appear on transcripts will not be used. When registering for the SAT or ACT, use the Eligibility Center code of 9999 to make sure the score is reported to the Eligibility Center.

GRADE-POINT AVERAGE

Only core courses are used in the calculation of the grade point average. Be sure to look at your high school's list of NCAA approved core courses on the Eligibility Center's Web site (www.eligibilitycenter.org) to make certain that courses being taken have been approved as core courses.

CORE COURSES DIVISION I NCAA

Division I requires 16 core courses.

Four years of English • Three years of mathematics (Algebra I or higher) • Two years of natural/physical science (1 year of lab if offered by high school) • One year of additional English, mathematics or natural/ physical science • Two years of social science • Four years of additional courses (from any area above, foreign language or comparative religion/philosophy)

CORE COURSES DIVISION II NCAA

Division II requires 16 core courses. • Three years of English • Two years of mathematics (Algebra I or higher) • Two years of natural/physical science (1 year of lab if offered by high school) • Three years of additional English, mathematics or natural/ physical science • Two years of social science • Four years of additional courses (from any area above, foreign language or comparative religion/philosophy)

Note: The NCAA does not compute courses prior to ninth grade for eligibility purposes.

OTHER IMPORTANT INFORMATION

Students enrolling at an NCAA Division I or II institution for the first time need to also complete the amateurism questionnaire through the Eligibility Center Web site. Students need to request final amateurism certification prior to enrollment. For more information regarding the rules, go to www.ncaa.org. Click on "Academics and Athletes" then "Eligibility and Recruiting." NCAA considers proficiency-based courses such as courses taught through the Internet, distance learning, and credit recovery to be non-traditional and may not accept all credit acquired in this manner. To determine what types of non-traditional courses can be used to satisfy NCAA core-course requirements, refer to their website and click on "High School Administrator", "Resources", and "Common Core Course Questions". If you have questions, call the NCAA Eligibility Center at 877-262-1492.

THE NAIA AND NAIA ELIGIBILITY CENTER

The NAIA is a community of nearly 300 member colleges and universities, 60,000 student-athletes and an environment that focuses on athletic participation as one part of the total education process. The NAIA Eligibility Center is responsible for determining the NAIA eligibility of first-time student-athletes. Contact the Athletic Director or school counselor at your school to have questions answered regarding NAIA eligibility. Information pertaining to the NAIA, can be found at www.naia.org. Students are responsible for ensuring NAIA eligibility.

PSAT/SAT/ACT/ACT WORKKEYS

The Preliminary Scholastic Aptitude Test (PSAT) and Preliminary Scholastic Aptitude for National Merit Scholarship Qualifying Test (PSAT/NMSQT) are both great practice for the SAT because they test the same skills and knowledge as the SAT — in a way that makes sense for your grade level and predict scores on the SAT. PSAT/NMSQT scores taken the junior year are utilized to identify eligible students for the National Merit Scholarship Program awards, early college admissions, Governor School qualification, and Junior Scholar and Fellow awards. The PSAT

scores also list which AP courses a student should consider.

The Scholastic Aptitude Test (SAT) is designed to make sure it's highly relevant to the students future success. The SAT test is focused on the skills and knowledge at the heart of education. It measures what you learn in high school and what you need to succeed in college. The SAT encompasses evidence-based reading and writing, math and an essay. There is no penalty for guessing on the SAT. Students will earn points for the questions that are answered correctly but will not have points subtracted if they choose the wrong answer.

The American College Test (ACT) is a leading US college admissions test, measuring what you learn in high school to determine your academic readiness for college. The test consists of four sections composed of English, mathematics, reading, and science. The ACT has an writing section that is optional. Students are encouraged to check with prospective colleges prior to making the decision to opt out of taking the essay. The ACT gives a composite and STEM College Readiness benchmark. The ACT scores are accepted by all state-supported colleges and universities for admission, as well as for LIFE scholarship qualification.

The South Carolina Code of Laws, section 59-18-325, specifies that all public high schools and, where necessary, career centers, must administer The ACT test to all eleventh grade students. Eleventh grade students are defined as students in the third year of high school after their initial enrollment in the ninth grade. This determination is made based on the 9GR field in PowerSchool. SC-NCSC may be used as the alternate to The ACT for students who are alternate-assessment eligible. The ACT test scores provide information about progress toward college readiness and are widely used by colleges in making decisions about admission. The ACT testing program includes multiple-choice tests in English, Reading, Mathematics, and Science, as well as a Writing test, which is an essay required by state law for 3rd year high school students. The ACT test will be administered during the regular school day and at no cost to parents. No registration is required by parents or students. Students who take The ACT according to ACT, Inc. requirements will be able to share their ACT scores with up to four colleges or universities for free. Parents should contact their School Counselor if they have questions.

ACT WorkKeys is an assessment utilized to measure essential workplace skills and help students build career pathways. WorkKeys is a first step toward closing skills gaps and improving workforce quality. Successful completion of three WorkKeys assessments—Applied Mathematics, Locating Information, and Reading for Information—can help an individual earn the National Career Readiness Certificate (NCRC), a portable credential that documents essential work skills. More than 3 million NCRCs have been issued across the United States.

MIDLANDS TECHNICAL COLLEGE

Students applying for admission to Midland's Technical College can apply online at <http://www.midlandstech.edu/admissions>. Paper applications also are accepted. Visit <http://www.midlandstech.edu/sites/default/files/mtc/admissions/AdmissionsApplication.pdf> to print and complete a paper application.

If you are a prospective MTC student, you need to take placement tests. They measure what classes you're ready to take at MTC, and they help you and your advisor determine which courses you need for math, reading, and English.

To schedule a time for your placement test, contact Midland's Technical College Assessment Center. Students may be able to exempt comparable portions of the placement test if they have qualifying SAT or ACT scores.

BEYOND HIGH SCHOOL

College Admission Factors Students planning to attend a four-year college should begin considering these factors as early as eighth grade and plan their high school program accordingly.

Select coursework that meets college entrance requirements.

1. Realize that your courses should be at the instructional level that helps you reach your potential and prepare for college and career goals.
2. Determine the required courses for your intended college major.
3. Remember that grade point average, class rank, and SAT or ACT scores may be used to determine college acceptance. Entrance requirements vary among colleges. Therefore, you should read college catalogs and talk with college admission counselors concerning specific requirements for the college(s) in which you are interested.
4. Be aware that extracurricular and leadership activities and/or work experience may also influence your admission.
5. In developing your Individual Graduation Plans (IGPs), seniors may elect to take courses at institutions of higher learning. These course may involve costs to you but may compliment your future plans.

CHOOSING THE RIGHT COLLEGE

1. Evaluate your strengths and abilities; examine your choice of lifestyle. Utilize information about colleges/careers in the school counseling office and media center.
2. Take the PSAT your sophomore year and take the PSAT again in your junior year. The test will place you on a mailing list for college information. The PSAT in the junior year also serves as the National Merit Scholarship qualifying test.
3. Draw up a list of schools to investigate, based on your personal goals. SCOIS or KUDER are good resources for exploration. These computer-based career information delivery systems are available on any district- net- worked computer in your high school.
4. Determine requirements for admission and costs for each school on your list.
5. Arrange college visits. When visiting, talk with admissions counselors and financial aid officers.
6. Fine-tune your list.
7. Early in your senior year, ask for teacher/ counselor recommendations.
8. Apply for financial aid or scholarships during your senior year. Do not rule out smaller private colleges due to costs.

ADDITIONAL NOTES

1. The college preparatory course prerequisite requirements are minimal requirements for four-year public college admission. Therefore, students should check early with colleges of their choice to plan to meet additional high school prerequisites that might be required for admission.
2. Visit http://www.che.sc.gov/New_Web/GoingToCollege/CollPrepPrereq.htm for more information. Please note the (underscore) between the words "New" and "Web" in the URL.

EDUCATIONAL LOTTERY SCHOLARSHIPS

The South Carolina Legislature provides several opportunities for students to receive scholarships from the South Carolina Education Lottery. These requirements are subject to change by the State Legislature. You can find more information on the Internet at www.che400.state.sc.us. (See Educational Lottery Scholarship table on bottom of page.)

General Criteria for Scholarships and Grants

- Must be a South Carolina resident;
- Must be a US citizen or permanent resident;
- Must be enrolled as a degree-seeking student at an eligible South Carolina public or private institution;
- Must not owe a refund or repayment on a State Grant, Pell Grant, or a Supplemental Educational Opportunity Grant and not be in default on

a loan under the Federal Perkins Loan or Federal Stafford Loan Program; and Must not owe a refund or repayment on any State or Federal financial aid and not be in default on a Federal Student loan; and

- Must have never been convicted of any felonies and not have been convicted of any second or subsequent alcohol/drug- related misdemeanor offenses within the past academic year (excluding Lottery Tuition Assistance.)

EXTENDED LEARNING OPPORTUNITIES

Apprenticeships allow students to work with experienced persons or mentors for three to four years while acquiring job-related training in a high school or postsecondary setting. Students gain a gradual progression of skills and wages through a structured program with recognized and portable credentials. (Additional course credit may be awarded.)

Cooperative Education allows students to combine classroom instruction with paid or non-paid work experience related to their occupational programs. (Additional course credit may be awarded.)

Mentoring allows students to attend class, work throughout the year with a professional in a chosen career, and receive ½ to 1 unit of credit. An original project describing the work experience is required.

Internships permit students to spend several days, weeks, or months at worksites related to their career choice(s).

Shadowing allows students to explore occupational choices through observing worksites.

COURSE REQUIREMENTS FOR SOUTH CAROLINA PUBLIC FOUR-YEAR COLLEGES AND UNIVERSITIES

The Commission on Higher Education (CHE) established the minimum course requirements for students who plan to attend a public college in South Carolina. CHE recommends students include these courses as a part of their high school course selection along with other elective classes. Some colleges require courses in addition to those listed below (see college catalogs for admission requirements) for entering college freshmen beginning in the academic year 2019-2020. For more information please visit the CHE website at <https://www.che.sc.gov/>.

ENGLISH

Four units: All four units must have strong reading (including works of fiction and nonfiction), writing, communicating, and researching components. It is strongly recommended that students take two units that are literature-based, including American, British and World Literature.

MATHEMATICS

Four units: These units must include Algebra 1, Algebra 2, and Geometry. A fourth higher-level mathematics unit should be taken before or during the senior year.

LABORATORY SCIENCE

Three units: Two units must be taken in two different fields of the physical, earth, or life sciences and selected from among biology, chemistry, physics, or earth science. The third unit may be from the same field as one of the first two units (biology, chemistry, physics, or earth science) or from any laboratory science for which biology, chemistry, physics and/or earth science is a prerequisite. Courses in general or introductory science for which one of these four units is not a prerequisite will not meet this requirement. It's strongly recommended that students desiring to pursue careers in science, mathematics, engineering or technology take one course in all four fields: biology, chemistry, physics, and earth science.

WORLD LANGUAGES

Two units: Two units of the same language with a heavy emphasis on language acquisition (some colleges require three units).

SOCIAL SCIENCE

Three units: One unit of U. S. History, a half unit of Economics, and a half unit of Government are required. World History or Geography is strongly recommended.

FINE ARTS

One unit: One unit in appreciation of, history of, or performance in one of the visual and performing arts. This unit should be selected from among media/digital arts, dance, music, theater, or visual and spatial arts.

PHYSICAL EDUCATION/ROTC

One unit: One unit of physical education to include personal and lifetime fitness. Exemption applies to students enrolled in Junior ROTC and for students exempted because of physical disability or for religious reasons.

ELECTIVES

Two units must be taken as an electives.

A college preparatory course in Computer Science (i.e., one involving significant programming content, not simply keyboarding or using applications) is strongly recommended for this elective.

Other acceptable electives include college preparatory courses in English, fine arts, foreign languages, social science, humanities, mathematics, physical education, and laboratory science (courses for which biology, chemistry, physics or earth science is a prerequisite).

Notes: The Commission on Higher Education requirements may be adjusted at a later date to reflect changes in diploma requirements.

CURRICULUM FRAMEWORK

South Carolina high school students face many challenges, which includes higher education standards, increasing college entrance requirements, and growing workforce demands. For students to be successful, high schools must provide a curriculum that is challenging and relevant. They must also offer a sequence of courses to assist students in becoming passionate, lifelong learners.

A framework for curriculum planning aids students and their parents in this process. An effective curriculum framework must have high standards and expectations for all students, a rigorous curriculum that prepares them for post-secondary education and engaging instructional strategies designed to help students learn important concepts and ideas in depth. The curriculum framework used by Richland County School District One includes a rigorous curriculum design and a requirement that each student develop a challenging Individual Graduation Plan. Working with parents, school counselors and teachers, students develop plans that include academic as well as profession-related courses. An IGP will identify extended learning opportunities that are designed to prepare students for transition to postsecondary education and the workplace.

Richland County School District One strives to provide a comprehensive curriculum to address the individual needs of all students. The framework design allows for an integrated, multidimensional approach to planning that helps students become successful learners for high school and beyond. The framework provides a structure for planning and communicating high expectations. See Appendix C for the Richland County School District One Curriculum Framework.

FRAMEWORK DESIGN

A comprehensive curriculum framework includes the following elements:

- Clusters of Study
- Majors for each Cluster of Study
- IGP Success Planner
- Template for cluster and major

CLUSTERS

A Cluster of Study is a means of organizing instruction and student experiences around broad categories that encompass virtually all occupations from entry level through professional levels. Clusters of Study provide a way to organize and tailor coursework and learning experiences around areas of interests. Clusters of Study are designed to provide a seamless transition from high school study to post-secondary study and/or the workforce. The United States Department of Education (USDE) has developed 16 national clusters of study as a means of organizing the curriculum. The Secondary Curriculum Framework for Richland School District One is designed around many of these 16 clusters.

Agriculture, Food and Natural Resources

This diverse career cluster prepares learners for careers in the planning, implementation, production, management, processing, and/or marketing of agricultural commodities and services, including food, fiber, wood products, natural resources, horticulture, and other plants.

Architecture and Construction

This career cluster prepares learners for careers in designing, planning, managing, building and maintaining the built environment. People employed in this cluster work on new structures, restorations, additions, alterations, and repairs.

Arts, Audio-Video Technology & Communication

This career cluster offers two different avenues of concentration: Careers in the Performing Arts, Visual Arts, or certain aspects of Journalism prepare students for a broad range of creative careers including performance and beyond. Broadcasting and Film require courses and activities that challenge students' creative and technological talents. Careers in Audio or Video, Communications Technology, Telecommunications, or Printing Technology require strong backgrounds in computer and electronic-based technology and a solid foundation in math and science, as well as a creative thinking skills.

Business, Management and Administration

The Business, Management and Administration Career Cluster prepares learners for careers in planning, organizing, directing and evaluating business functions essential to efficient and productive business operations. Career opportunities are available in every sector of the economy and require specific skills in organization, time management, customer service and communication.

Education and Training

The diverse career cluster prepares learners for careers in planning, managing and providing education and training services, and related learning support services. Millions of learners each year train for careers in education and training in a variety of settings that offer academic instruction, vocational and technical instruction, and other education and training services.

Finance

This career cluster prepares learners for careers in financial and investment planning, banking, insurance and business financial management. Career opportunities are available in every sector of the economy and require specific skills in organization, time management, customer service and communication.

Government and Public Administration

This career cluster prepares learners in governmental functions to include Governance; National Security; Foreign Service; Planning; Revenue and Taxation; Regulation; and Management and Administration at the local, state, and federal levels.

Health Sciences

This career cluster prepares learners for careers in the planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research.

Hospitality and Tourism

The Hospitality and Tourism Career Cluster prepares learners for careers in the management, marketing and operations of restaurants and other food services, lodging, attractions, recreation events and travel-related services. Hospitality operations are located in communities throughout the world.

Human Services/Family & Consumer Sciences

This diverse career cluster prepares individuals for employment in career majors related to families and human needs.

Information Technology

Information Technology Career Clusters are divided into four majors: Networking Systems, Information Support and Services, Programming and Software Development and Interactive Media. Each of these majors offers exciting and challenging career opportunities.

Law, Public Safety, Corrections, and Security

The Law, Public Safety and Security Career Cluster helps prepare learners for careers in planning, managing, and providing legal, public safety, protective services and homeland security, including professional and technical support services.

Manufacturing

This career cluster prepares learners for careers in planning, managing, and performing the processing of materials.

Marketing

This diverse career cluster prepares learners for careers in planning, managing, and performing marketing service activities to reach organizational objective.

Science, Technology, Engineering & Mathematics

A career in the Science, Technology, Engineering or Mathematics cluster is exciting, challenging, and ever-changing. Learners who pursue one of these career fields will be involved in planning, managing, and providing scientific research and professional and technical services including laboratory and testing services, and research and development services.

Transportation, Distribution and Logistic

This career cluster exposes learners to careers and businesses involved in the planning, management, and movement of people, materials, and goods by road, air, rail and water. It also includes related professional and technical support services such as infrastructure planning and management, logistics services and the maintenance of mobile equipment and facilities.

Majors

Richland One offers several majors within each Cluster of Study. A major consists of the completion of at least four required units of study in that area. It is recommended that students take at least one course at the highest level offered. A major is designed to enable students to focus on an area of interest that motivates them to stay in school, to be better prepared for postsecondary choices and/or the workplace, and to make a smooth transition to post-secondary education and/or the workplace.

Choosing a cluster of study and a major requires a student to assess interests and skills, then select coursework to achieve his or her academic goals while exploring a professional goal. In the spring of eighth grade, during an individual planning conference with a school counselor, the student and his/her parent(s), select at least one of the 16 clusters to explore, the goal being to select a major by the end of 10th grade.

Students are never locked into a specific cluster or major. Students can change majors if their professional interest changes. They can use the curriculum framework, with clusters of study and majors, and career assessment information in making these decisions. A completed major is not a requirement for graduation.

Majors in Each Cluster

Richland County School District One will follow a curriculum that is aligned with the state content standards and organized around a key cluster and major system that provides students with both strong academics and real-world problem solving skills. Students will be provided individualized educational, academic, and career-oriented choices and greater exposure to career information and opportunities.

Many of the clusters and majors are offered in conjunction with Heyward Career Center. Not all clusters and majors are offered at each school. Please consult your guidance counselor for more information.

Agriculture, Food and Natural Resources
Horticulture

Architecture and Construction
Construction
Design/Pre-Construction

Arts, Audio-Video Technology & Communication
Art
Audio/Video Technology
Chorus
Communications
Dance
Instrumental Music
Interior Design
Journalism and Broadcasting
Media Arts
Theatre

Business, Management and Administration
Administrative Services
Business Information Management
General Management
Operations Management

Education and Training
Administration/Administrative Support
Teaching/Training

Finance
Accounting
Business Finance

Government and Public Administration
Governance
National Security
Health Science
Biomedical/Biotechnology Research
Diagnostic Services
Health Informatics Support Services
Therapeutic Services

Hospitality and Tourism
Restaurants and Food/Beverage Services

Human Services/Family & Consumer Sciences
Consumer Services
Family and Community Services/Counseling and Mental Health Services
Family and Consumer Sciences/Design
Food, Nutrition and Wellness
Personal Care Services

Information Technology
Information Support and Services Web & Digital Communications
Programming and Software Development

Law, Public Safety, Corrections & Security
Legal Services

Manufacturing
Production

Marketing
Marketing Communications
Marketing Management
Merchandising

Science, Technology, Engineering & Mathematics
Food Science and Dietetics
Engineering and Technology
Science and Math

Transportation, Distribution and Logistics
Facility and Mobile Equipment Maintenance

IGP Success Planner

An IGP Success Planner consists of the state high school graduation requirements and/or college entrance requirements. In addition, course recommendations for successful completion of a major that aligns to post-secondary education and the workplace are included.

The purpose of the IGP Success Planner is to assist students and their parents in exploring educational and professional possibilities, and in making appropriate secondary and post-secondary decisions. The IGP Success Planner is part of the career planner. It builds on the coursework, assessments and counseling in the middle and high school. The IGP Success Planner is not intended to reflect all aspects of the high school experience.

Developing the IGP Success Planner

School counselors begin working with students regarding interests, Clusters of Study, majors, post-secondary choices and high school options through individual and group counseling in the sixth grade. This includes information on academic and professional goals, career activities and access to career resources. Teacher and parental involvement throughout this process is vital.

Sixth Grade

- Students complete a career interest inventory.
- Students participate in career exploration activities.

Seventh Grade

- Students continue career exploration activities.
- Students have the opportunity to participate in career shadowing.

Eighth Grade

- Students choose a Cluster of Study they would like to explore
- Working with parents, counselors and teachers students begin developing an IGP Success Planner to include academic as well as profession-related courses.
- Students have the opportunity to participate in career shadowing.

Ninth Grade

- Students explore the selected career cluster.
- Students have the opportunity to participate in career shadowing.
- Students review and update their IGP Success Planner developed in the eighth grade.
- Students begin to explore post-secondary opportunities.

Tenth Grade

- Students declare a major by the end of the tenth grade.
- Students have the opportunity to participate in extended learning opportunities.
- Students review and update their IGP Success Planner.

Eleventh Grade

- Students review and update their IGP Success Planner with particular attention being given to post-secondary goals.
- Students have the opportunity to participate in extended learning opportunities.

Twelfth Grade

- Students complete requirements for a major.
- Students have the opportunity to participate in extended learning opportunities.

School of Arts and Humanities

Cluster of Study: Arts and Humanities

Major: Advanced Placement

Required Core for Graduation	Sample Core Choices			
	9	10	11	12
English* Four units	English 1	English 2	English 3	English 4
Math* Four units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry or Pre-Calculus	Pre-Calculus or Calculus
Science* Three units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* Three units	One unit of Social Studies		U.S. History	Economics/Government
Additional Graduation Requirements	Physical Education or JROTC (one unit) Computer Science (one unit) World Language or CATE (one unit) Health and Wellness (half unit)		Electives (seven units)	
Required Courses for Major (Four credits required)	Complementary Coursework		Extended Learning Opportunity Options Related to Major	
Any four Advanced Placement (AP) courses	IB Language B SL or HL 1, 2 Performing Arts Psychology PreCalculus Research 1, 2 HN Theory of Knowledge 1, 2 Art World Language 1, 2, 3, 3HN, 4HN, 5HN World Language AP		Career Mentoring Shadowing Internship Cooperative Education Career Information delivery System Exposure Senior Project	

Professional Opportunities Upon Graduation		
High School Diploma	2-Year Associates Degree	4-Year Degree and Higher
Certified Medical Assistant Robotics Technician Real Estate Sales Agent Law Clerk	Executive Assistant Medical Interpreter Reporter Sales Manager	Attorney Computer Scientist Financial Manager / Planner Physician

*Course selection will depend on satisfying prerequisites.

School of Arts and Humanities

Cluster of Study: Arts and Humanities

(ACFH, LRH)

Major: International Baccalaureate

Required Core for Graduation	Sample Core Choices			
	9	10	11	12
English* Four units	English 1 H	English 2 H	IB English HL 1	IB English HL 2
Math* Four units	Geometry H or Algebra 2 H	Algebra 2 H or Pre-Calculus H	IB Math HL 1, IB Math SL 1, or IB Math Studies 1	IB Math HL 2, IB Math SL 2, or IB Math Studies 2
Science* Four units	Biology H	Chemistry H and/or Physics H	IB Biology HL 1, IB Design Technology HL 1 IB Biology SL, or IB Physics SL	IB Biology HL 2, IB Design Technology HL 2 IB Biology SL, or IB Physics SL
Social Studies* Three units	World History H or AP Human Geography	AP Human Geography or AP World History	IB History HL 1 and Economics / Government	IB History HL 2
World Language Five units	French, German, or Spanish 1 & 2 or French, German, or Spanish 2	French, German, or Spanish 3	IB French SL 1, IB German SL 1, or IB Spanish SL 1	IB French SL 2, IB German SL 2, or IB Spanish SL 2
Additional Graduation Requirements	Physical Education or JROTC (one unit) Computer Science (one unit) World Language or CATE (one unit) Health and Wellness (half unit)		IB Additional Requirements Theory of Knowledge Creativity, Activity, Service Extended Essay	
Required Courses for Major (Courses required)		Complementary Coursework		Extended Learning Opportunity Options Related to Major
English/Language Arts: IB English HL 1 & HL 2 Math: IB Math HL, SL, or Studies SL 1 & 2 Science: IB Biology HL 1 & 2, IB Design Technology HL 1 & 2 or IB Physics SL or IB Biology SL Social Studies: IB History HL 1 & HL 2 Foreign Language: IB German, French, or Spanish SL 1 & SL 2 IB Additional Course (one): IB Geography HL 1 & 2, IB Visual Arts HL 1 & 2, IB Visual Arts SL, IB Dance SL, IB Theatre SL, IB Psychology IB Core Requirements: Theory of Knowledge 1 & 2, CAS, Extended Essay		Visual or Performing Arts AP Biology AP Physics Pre-Calculus AP Government AP Economics		Career Shadowing Internship Senior Project
Professional Opportunities Upon Graduation				
High School Diploma		2-Year Associates Degree		4-Year Degree and Higher
Real Estate Agent Law Clerk Sales		Executive Assistant Sales Manager		Attorney Research Scientist Computer Scientist Physician

*Course selection will depend on satisfying prerequisites.

School of Arts and Humanities

Cluster of Study: Arts and Humanities

Major: English

Required Core for Graduation	Sample Core Choices			
	9	10	11	12
English* Four units	English 1	English 2	English 3	English 4
Math* Four units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry or Pre-Calculus	Pre-Calculus or Calculus
Science* Three units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* Three units	One unit of Social Studies		U.S. History	Economics/Government
Additional Graduation Requirements	Physical Education or JROTC (one unit) Computer Science (one unit) World Language or CATE (one unit) Health and Wellness (half unit)		Electives (seven units)	
Required Courses for Major (Four credits required)		Complementary Coursework		Extended Learning Opportunity Options Related to Major
English 3 Honors English 4 Honors AP English Language and Composition AP English Literature and Composition IB English HL-2 ENG 101 ENG 102 Speech Journalism 2 Speech and Multimedia Theatre 2		IB Language B SL or HL 1, 2 Journalism 1 Music Theory 1 Performing Arts Theatre 1 Visual Arts c World Language 1, 2, 3, 3HN, 4HN, 5HN		Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project

Professional Opportunities Upon Graduation		
High School Diploma	2-Year Associates Degree	4-Year Degree and Higher
Receptionist Sales Associate Library Assistant Clerical Assistant	Officer Assistant Manager Sales Associate Clerical Assistant	Educator Public Relations Specialist Writer Editor

*Course selection will depend on satisfying prerequisites.

School of Arts and Humanities

Cluster of Study: Arts and Humanities

Major: History

Required Core for Graduation	Sample Core Choices			
	9	10	11	12
English* Four units	English 1	English 2	English 3	English 4
Math* Four units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry or Pre-Calculus	Pre-Calculus or Calculus
Science* Three units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* Three units	One unit of Social Studies		U.S. History	Economics/Government
Additional Graduation Requirements	Physical Education or JROTC (one unit) Computer Science (one unit) World Language or CATE (one unit) Health and Wellness (half unit)		Electives (seven units)	
Required Courses for Major (Four credits required)		Complementary Coursework		Extended Learning Opportunity Options Related to Major
AP European History AP Human Geography AP US History AP World History Current Issues World History Honors		Environmental Science IB Language B SL or HL 1, 2 Journalism 1, 2 Music Theory 1 Performing Arts Visual Arts World Language 1, 2, 3, 3HN, 4HN, 5HN		Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project

Professional Opportunities Upon Graduation		
High School Diploma	2-Year Associates Degree	4-Year Degree and Higher
Clerical Assistant File Clerk Library Assistant	Congressional Aide Copy Writer Museum Tour Guide	Editor Creative Writer Social Studies Teacher

*Course selection will depend on satisfying prerequisites.

School of Arts and Humanities

Cluster of Study: Arts and Humanities

Major: Journalism /Broadcasting

Required Core for Graduation	Sample Core Choices			
	9	10	11	12
English* Four units	English 1	English 2	English 3	English 4
Math* Four units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry or Pre-Calculus	Pre-Calculus or Calculus
Science* Three units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* Three units	One unit of Social Studies		U.S. History	Economics/Government
Additional Graduation Requirements	Physical Education or JROTC (one unit) Computer Science (one unit) World Language or CATE (one unit) Health and Wellness (half unit)		Electives (seven units)	
Required Courses for Major (Four credits required)	Complementary Coursework		Extended Learning Opportunity Options Related to Major	
Broadcast Journalism 1, 2, 3, 4 Documentary Production Documentary Workshop Journalism 1 Journalism 2 Yearbook Production Yearbook Production 2 Speech Speech and Multimedia Survey of African American Literature Survey of Radio/TV/Film 1 Survey of Radio/TV/Film 2	Digital Desktop Publishing Theatre courses Art courses World Language courses Social Studies courses		Career Mentoring Shadowing Internship Cooperative Education Career Information delivery System Exposure Senior Project	

Professional Opportunities Upon Graduation		
High School Diploma	2-Year Associates Degree	4-Year Degree and Higher
Disc Jockey Broadcast Technician Audio/Video Operator	Proofreader Reporter Sound Engineering Technician	Journalist Television Anchor Station Manager

*Course selection will depend on satisfying prerequisites.

School of Arts and Humanities

Cluster of Study: Arts and Humanities

Major: Performing Arts

Required Core for Graduation	Sample Core Choices			
	9	10	11	12
English* Four units	English 1	English 2	English 3	English 4
Math* Four units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry or Pre-Calculus	Pre-Calculus or Calculus
Science* Three units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* Three units	One unit of Social Studies		U.S. History	Economics/Government
Additional Graduation Requirements	Physical Education or JROTC (one unit) Computer Science (one unit) World Language or CATE (one unit) Health and Wellness (half unit)		Electives (seven units)	
Required Courses for Major (Four credits required)		Complementary Coursework		Extended Learning Opportunity Options Related to Major
Instrumental Music: Band-Concert 1, 2, 3, 4, 3H, 4H Instrumental Music: Band-Marching 5, 6, 7, 8, 7H, 8H Instrumental Music: Band-Jazz Band 1, 2, 3, 4 Instrumental Music: Guitar 1, 2, 3, 4, 3H, 4H Chorus 1, 2, 3, 4, 3H, 4H Dance 1, 2, 3, 4, 3H, 4H Instrumental Music: Orchestra-Strings 1, 2, 3, 4, 3H, 4H Theatre 1, 2, 3, 4, 3H, 4H IB Music, Dance or Theatre Courses Music Composition AP Music Theory		Music Appreciation 1 Instrumental Music: World Music 1, 2 Instrumental Music: Piano 1,2 Technical Theatre Arts		Senior Projects School Performing Ensembles/ Companies District, Region, State and National Music, Dance and/or Theatre Ensembles/ Competitions Community Performing Arts Groups

Professional Opportunities Upon Graduation		
High School Diploma	2-Year Associates Degree	4-Year Degree and Higher
Accompanist Musician Singer	Private Studio Instructor Theatre Supply Sales Technician	Arts Educator Choreographer Composer

*Course selection will depend on satisfying prerequisites.

School of Arts and Humanities

Cluster of Study: Arts and Humanities

Major: Visual Arts

Required Core for Graduation	Sample Core Choices			
	9	10	11	12
English* Four units	English 1	English 2	English 3	English 4
Math* Four units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry or Pre-Calculus	Pre-Calculus or Calculus
Science* Three units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* Three units	One unit of Social Studies		U.S. History	Economics/Government
Additional Graduation Requirements	Physical Education or JROTC (one unit) Computer Science (one unit) World Language or CATE (one unit) Health and Wellness (half unit)		Electives (seven units)	
Required Courses for Major (Four credits required)	Complementary Coursework		Extended Learning Opportunity Options Related to Major	
Art: 1, 2, 3, 4, 3H, 4H Art: Ceramics 1, 2 Art: Drawing 1, 2 Art: Painting 1, 2 Art: Photography 1, 2 Art: 3-D Design 1 AP Studio Art: Drawing AP Studio Art: Two-Dimensional Design AP Studio Art: Three-Dimensional Design IB Courses	Art History AP Art History		Senior Project School, District, Region, State Art Exhibits Juried Exhibitions Community Exhibitions	

Professional Opportunities Upon Graduation		
High School Diploma	2-Year Associates Degree	4-Year Degree and Higher
Artist Art Supplies Sales Floral Designer	Artist Graphic Illustrator Photographer	Art Educator Graphic Designer Photographer

*Course selection will depend on satisfying prerequisites.

School of Arts and Humanities

Cluster of Study: Arts and Humanities

Major: World Languages

Required Core for Graduation	Sample Core Choices			
	9	10	11	12
English* Four units	English 1	English 2	English 3	English 4
Math* Four units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry or Pre-Calculus	Pre-Calculus or Calculus
Science* Three units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* Three units	One unit of Social Studies		U.S. History	Economics/Government
Additional Graduation Requirements	Physical Education or JROTC (one unit) Computer Science (one unit) World Language or CATE (one unit) Health and Wellness (half unit)		Electives (seven units)	
Required Courses for Major (Four credits required)	Complementary Coursework		Extended Learning Opportunity Options Related to Major	
French 1, 2, 3, 3HN, 4 HN, 5 HN, AP, IB OR German 1, 2, 3, 3HN, 4 HN, 5 HN, IB OR Latin 1, 2, 3, 3HN, 4 HN, IB OR Spanish 1, 2, 3, 3HN, 4 HN, 4 AP, 5HN, 5 AP, IB—IHS OR Chinese 1, 2, 3, 3HN, 4 HN OR Any combination of 4 credits from the above	Art History Current Issues Digital Desktop Publishing Entrepreneurship European History AP IB Language B SL or HL 1, 2 Performing Arts Second World Language 1, 2, 3, 3HN, 4 HN, 5 HN, AP Theory of Knowledge 1, 2 Visual Arts Web Page Design & Dev. 1, 2		Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project	

Professional Opportunities Upon Graduation		
High School Diploma	2-Year Associates Degree	4-Year Degree and Higher
Tour Guide and Escort Armed Forces Language Specialist Foreign Aid Worker	Travel Agent Immigration & Customs Inspector Intelligence Specialist	World Language Teacher Interpreter / Translator International Business Consultant

*Course selection will depend on satisfying prerequisites.

School of Arts and Humanities

Cluster of Study: Education and Training

Major: Teacher and Training

Required Core for Graduation	Sample Core Choices			
	9	10	11	12
English* Four units	English 1	English 2	English 3	English 4
Math* Four units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry or Pre-Calculus	Pre-Calculus or Calculus
Science* Three units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* Three units	One unit of Social Studies		U.S. History	Economics/Government
Additional Graduation Requirements	Physical Education or JROTC (one unit) Computer Science (one unit) World Language or CATE (one unit) Health and Wellness (half unit)		Electives (seven units)	
Required Courses for Major (Four credits required)		Complementary Coursework		Extended Learning Opportunity Options Related to Major
Teacher Cadet Program or Coaches in Training Plus 3 credits from the following courses: Child Development Psychology Psychology 101 or Psychology AP Public Speaking Sociology Web Page Design & Dev. 1		Creative Writing IB Language B SL or HL 1, 2 JROTC 1, 2, 3, 4 Media Tech 1, 2 Performing Arts Personal Finance Theatre 1 Theory of Knowledge 1, 2 Visual Arts Web Page Design & Dev. 2 World Geography World History World Language 1, 2, 3, 3HN, 4HN, 5HN World Language AP		Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project

Professional Opportunities Upon Graduation		
High School Diploma	2-Year Associates Degree	4-Year Degree and Higher
Childcare Worker Preschool Worker Recreation Assistant	Library Technician Instructional Assistant Training manager	Teacher Statistician Librarian

*Course selection will depend on satisfying prerequisites.

School of Business, Management and Information Systems
Cluster of Study: Business Management & Administration

(CAJH)

Major: Administrative Services

Required Core for Graduation	Sample Core Choices			
	9	10	11	12
English* Four units	English 1	English 2	English 3	English 4
Math* Four units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry or Pre-Calculus	Pre-Calculus or Calculus
Science* Three units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* Three units	One unit of Social Studies		U.S. History	Economics/Government
Additional Graduation Requirements	Physical Education or JROTC (one unit) Computer Science (one unit) World Language or CATE (one unit) Health and Wellness (half unit)		Electives (seven units)	
Required Courses for Major (Four credits required)		Complementary Coursework		Extended Learning Opportunity Options Related to Major
Administrative Support Technology Integrated Business Applications 1 Plus two or more of the following: Digital Desktop Publishing Digital Input Technologies Entrepreneurship Image Editing 1 Integrated Business Applications 2 Work-Based Credit		Psychology Sociology Visual Arts courses Speech courses Theatre courses Fashion Merchandising 1 Digital Media Marketing		Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project

Professional Opportunities Upon Graduation		
High School Diploma	2-Year Associates Degree	4-Year Degree and Higher
Administrative Supporter Information Processing Specialist Receptionist	Administrative Assistant Data Entry Specialist Executive Assistant Front Office Assistant	Educator Executive Assistant Information Systems Manager Office Manager

*Course selection will depend on satisfying prerequisites.

School of Business, Management and Information Systems
Cluster of Study: Business Management and Administration

(ACFH)

Major: Business Information Management

Required Core for Graduation	Sample Core Choices			
	9	10	11	12
English* Four units	English 1	English 2	English 3	English 4
Math* Four units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry or Pre-Calculus	Pre-Calculus or Calculus
Science* Three units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* Three units	One unit of Social Studies		U.S. History	Economics/Government
Additional Graduation Requirements	Physical Education or JROTC (one unit) Computer Science (one unit) World Language or CATE (one unit) Health and Wellness (half unit)		Electives (seven units)	
Required Courses for Major (Four credits required)		Complementary Coursework		Extended Learning Opportunity Options Related to Major
Image Editing 1 Digital Desktop Publishing Plus 2 credits from the following courses: Digital Multimedia Entrepreneurship Foundations of Animation Google Applications Integrated Business Applications 1 Web Page Design & Development 1		Algebra 3 Creative Writing 1 Current Issues Digital Desktop Publishing IB Language B SL or HL 1, 2 Journalism 1 Law Related Education Performing Arts Personal Finance		Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project

Professional Opportunities Upon Graduation		
High School Diploma	2-Year Associates Degree	4-Year Degree and Higher
Information Processing Specialist Multimedia Specialist Website Maintenance Specialist	Office Manager Web Page Developer Web Page Designer	Educator Webmaster Software Application Manager

*Course selection will depend on satisfying prerequisites.

School of Business, Management and Information Systems
Cluster of Study: Business Management and Administration

(DHS, ECH, LRH)

Major: General Management

Required Core for Graduation	Sample Core Choices			
	9	10	11	12
English* Four units	English 1	English 2	English 3	English 4
Math* Four units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry or Pre-Calculus	Pre-Calculus or Calculus
Science* Three units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* Three units	One unit of Social Studies		U.S. History	Economics/Government
Additional Graduation Requirements	Physical Education or JROTC (one unit) Computer Science (one unit) World Language or CATE (one unit) Health and Wellness (half unit)		Electives (seven units)	
Required Courses for Major (Four credits required)		Complementary Coursework	Extended Learning Opportunity Options Related to Major	
Accounting 1 Entrepreneurship Plus 2 credits from the following courses: Accounting 2 Business Finance Business Law Google Applications Integrated Business Applications 1 Marketing Marketing Management Virtual Enterprise 1, 2		Algebra 3 Creative Writing 1 Current Issues Digital Desktop Publishing IB Language B SL or HL 1, 2 Journalism 1 Law Related Education Performing Arts Personal Finance Photography 1 Psychology Public Speaking Sociology Visual Arts Web Page Design & Dev. 1, 2 World Language 1, 2, 3, 3HN, 4HN, 5HN World Language AP	Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project	
Professional Opportunities Upon Graduation				
High School Diploma	2-Year Associates Degree		4-Year Degree and Higher	
Facilities Manager Meeting Planner Public Relations Specialist	Hotel Manager Assistant Office Manager Payroll Assistant		Chief Executive Officer Educator Entrepreneur General Manager	

*Course selection will depend on satisfying prerequisites.

School of Business, Management and Information Systems
Cluster of Study: Finance

(ECH)

Major: Accounting

Required Core for Graduation	Sample Core Choices			
	9	10	11	12
English* Four units	English 1	English 2	English 3	English 4
Math* Four units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry or Pre-Calculus	Pre-Calculus or Calculus
Science* Three units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* Three units	One unit of Social Studies		U.S. History	Economics/Government
Additional Graduation Requirements	Physical Education or JROTC (one unit) Computer Science (one unit) World Language or CATE (one unit) Health and Wellness (half unit)		Electives (seven units)	
Required Courses for Major (Four credits required)		Complementary Coursework		Extended Learning Opportunity Options Related to Major
Accounting 1 Accounting 2 Plus two or more of the following: Banking Services Personal Finance Entrepreneurship Integrated Business Applications 1 & 2 Business Finance Work Based Credit		Algebra 3 AP Statistics AP Calculus AB AP Calculus BC Calculus Discrete Math IB Language B SL or HL 1, 2 Marketing Performing Arts Pre-Calculus Probability and Statistics Public Speaking Theory of Knowledge 1, 2 Visual Arts Web Page Design & Dev. 1, 2		Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project

Professional Opportunities Upon Graduation		
High School Diploma	2-Year Associates Degree	4-Year Degree and Higher
Bank Teller Bookkeeping Clerk Medical Billing Clerk Payroll Clerk	Accountant Auditor Financial Agent Credit Manager	Certified Public Accountant Chief Financial Officer Educator Financial Planner

*Course selection will depend on satisfying prerequisites.

School of Business, Management and Information Systems
Cluster of Study: Finance

(CHS)

Major: Banking Services

Required Core for Graduation	Sample Core Choices			
	9	10	11	12
English* Four units	English 1	English 2	English 3	English 4
Math* Four units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry or Pre-Calculus	Pre-Calculus or Calculus
Science* Three units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* Three units	One unit of Social Studies		U.S. History	Economics/Government
Additional Graduation Requirements	Physical Education or JROTC (one unit) Computer Science (one unit) World Language or CATE (one unit) Health and Wellness (half unit)		Electives (seven units)	
Required Courses for Major (Four credits required)		Complementary Coursework		Extended Learning Opportunity Options Related to Major
Banking Services Business Finance Plus two or more of the following: Accounting 1 & 2 Business Law Entrepreneurship Integrated Business Applications 1 & 2 Personal Finance Work Based Credit		Psychology Sociology Visual Arts courses Speech courses Theatre courses Fashion Merchandising 1 Digital Media Marketing		Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project

Professional Opportunities Upon Graduation		
High School Diploma	2-Year Associates Degree	4-Year Degree and Higher
Bank Teller Customer Service Representative Sales Associate	Assistant Store Manager Customer Service Supervisor Office Manager	Chief Executive Officer Educator Entrepreneur

*Course selection will depend on satisfying prerequisites.

School of Business, Management and Information Systems
Cluster of Study: Finance

(CHS, DHS, LRH)
Major: Business Finance

Required Core for Graduation	Sample Core Choices			
	9	10	11	12
English* Four units	English 1	English 2	English 3	English 4
Math* Four units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry or Pre-Calculus	Pre-Calculus or Calculus
Science* Three units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* Three units	One unit of Social Studies		U.S. History	Economics/Government
Additional Graduation Requirements	Physical Education or JROTC (one unit) Computer Science (one unit) World Language or CATE (one unit) Health and Wellness (half unit)		Electives (seven units)	
Required Courses for Major (Four credits required)		Complementary Coursework		Extended Learning Opportunity Options Related to Major
Accounting 1 Business Finance And any two below: Integrated Business Applications 1 Integrated Business Applications 2 Banking Services Accounting 2 Personal Finance Entrepreneurship Work-based Credit		Web Page Design and Development Digital Desktop Publishing Marketing Probability & Statistics		Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project

Professional Opportunities Upon Graduation		
High School Diploma	2-Year Associates Degree	4-Year Degree and Higher
Bookkeeping Clerk Medical Billing Clerk Payroll Clerk Loan Processor	Auditor Accountant Financial Services Agent Credit Analyst	Branch Manager Certified Public Accountant Chief Financial Officer Financial Planner

*Course selection will depend on satisfying prerequisites.

School of Business, Management and Information Systems
Cluster of Study: Hospitality and Tourism

(HCTC/LRH)

Major: Restaurant and Food/Beverage Services

Required Core for Graduation	Sample Core Choices			
	9	10	11	12
English* Four units	English 1	English 2	English 3	English 4
Math* Four units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry or Pre-Calculus	Pre-Calculus or Calculus
Science* Three units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* Three units	One unit of Social Studies		U.S. History	Economics/Government
Additional Graduation Requirements	Physical Education or JROTC (one unit) Computer Science (one unit) World Language or CATE (one unit) Health and Wellness (half unit)		Electives (seven units)	
Required Courses for Major (Four credits required)		Complementary Coursework		Extended Learning Opportunity Options Related to Major
Culinary Arts 1 Culinary Arts 2 Foods and Nutrition 1 Foods and Nutrition 2 Accounting 1 Marketing 1		Entrepreneurship Personal Finance Accounting 2 Business Law Visual Arts courses Psychology Sociology Speech		Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project

Professional Opportunities Upon Graduation		
High School Diploma	2-Year Associates Degree	4-Year Degree and Higher
Cruise Ship Worker Front Desk Clerk Hostess	Caterer Food and Beverage Services Manager Restaurant Manager	Chef Dietician/Nutritionist Hotel Manager Restaurant Manager

*Course selection will depend on satisfying prerequisites.

School of Business, Management and Information Systems
Cluster of Study: Information Technology

(HCTC)

Major: Networking Systems

Required Core for Graduation	Sample Core Choices			
	9	10	11	12
English* Four units	English 1	English 2	English 3	English 4
Math* Four units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry or Pre-Calculus	Pre-Calculus or Calculus
Science* Three units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* Three units	One unit of Social Studies		U.S. History	Economics/Government
Additional Graduation Requirements	Physical Education or JROTC (one unit) Computer Science (one unit) World Language or CATE (one unit) Health and Wellness (half unit)		Electives (seven units)	
Required Courses for Major (Four credits required)	Complementary Coursework		Extended Learning Opportunity Options Related to Major	
Networking Fundamentals Advanced Networking And any two below: Computer Programming 1 Computer Programming 2 Fundamentals of Web Design and Development Advanced Web Design and Development Computer Science Technology Exploring Computer Science Foundations of Animation Entrepreneurship	Information Business Application AP Computer Science Foundations of Animation		Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project	

Professional Opportunities Upon Graduation		
High School Diploma	2-Year Associates Degree	4-Year Degree and Higher
PC Support Specialist Technical Support Specialist Web Site Maintenance	Computer Programmer Help Desk Specialist Network Administrator Web Designer	Computer Software Engineer Operations Research Analyst Software Application Manager Systems Analyst

*Course selection will depend on satisfying prerequisites.

School of Business, Management and Information Systems
Cluster of Study: Information Technology

(ECH, LRH)

Major: Web and Digital Communications

Required Core for Graduation	Sample Core Choices			
	9	10	11	12
English* Four units	English 1	English 2	English 3	English 4
Math* Four units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry or Pre-Calculus	Pre-Calculus or Calculus
Science* Three units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* Three units	One unit of Social Studies		U.S. History	Economics/Government
Additional Graduation Requirements	Physical Education or JROTC (one unit) Computer Science (one unit) World Language or CATE (one unit) Health and Wellness (half unit)		Electives (seven units)	
Required Courses for Major (Four credits required)		Complementary Coursework		Extended Learning Opportunity Options Related to Major
Web Page Design and Development 1 Web Page Design and Development 2 And any two below: Integrated Business Applications 1 Integrated Business Applications 2 Image Editing 1 Computer Programming 1 Computer Programming 2 Digital Desktop Publishing Foundations of Animation Entrepreneurship Exploring Computer Science		Digital Art and Design 1 Digital Art and Design 2 Marketing courses Visual Arts courses		Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project

Professional Opportunities Upon Graduation		
High School Diploma	2-Year Associates Degree	4-Year Degree and Higher
PC Support Specialist Technical Support Specialist Web Site Maintenance Specialist	Computer Programmer Help Desk Specialist Network Administrator Web Designer	Computer Software Engineer Operations Research Analyst Software Application Manager Systems Analyst

*Course selection will depend on satisfying prerequisites.

School of Business, Management and Information Systems
Cluster of Study: Marketing Sales and Services

(KHS)

Major: Marketing Communications

Required Core for Graduation	Sample Core Choices			
	9	10	11	12
English* Four units	English 1	English 2	English 3	English 4
Math* Four units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry or Pre-Calculus	Pre-Calculus or Calculus
Science* Three units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* Three units	One unit of Social Studies		U.S. History	Economics/Government
Additional Graduation Requirements	Physical Education or JROTC (one unit) Computer Science (one unit) World Language or CATE (one unit) Health and Wellness (half unit)		Electives (seven units)	
Required Courses for Major (Four credits required)		Complementary Coursework		Extended Learning Opportunity Options Related to Major
Marketing Advertising And any two below: Image Editing 1 Integrated Business Applications 1 Digital Desktop Publishing Marketing Web Page Design and Development 1 Web Page Design and Development 2 Entrepreneurship		Psychology Sociology Visual Arts courses Speech courses Theatre courses Fashion Merchandising 1		Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project

Professional Opportunities Upon Graduation		
High School Diploma	2-Year Associates Degree	4-Year Degree and Higher
Customer Service Representative Sales Associate Visual Display Artist	Advertising Manager Retail Buyer Sales Promotion Manager	Public Relations Manager Pharmaceutical Sales Representative Market Research Analyst Sports Agent

*Course selection will depend on satisfying prerequisites.

School of Business, Management and Information Systems
Cluster of Study: Marketing Sales and Services

Major: Marketing Management

Required Core for Graduation	Sample Core Choices			
	9	10	11	12
English* Four units	English 1	English 2	English 3	English 4
Math* Four units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry or Pre-Calculus	Pre-Calculus or Calculus
Science* Three units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* Three units	One unit of Social Studies		U.S. History	Economics/Government
Additional Graduation Requirements	Physical Education or JROTC (one unit) Computer Science (one unit) World Language or CATE (one unit) Health and Wellness (half unit)		Electives (seven units)	
Required Courses for Major (Four credits required)		Complementary Coursework		Extended Learning Opportunity Options Related to Major
Marketing Marketing Management Plus two or more of the following: Accounting 1 & 2 Advertising Business Law Entrepreneurship Integrated Business Applications 1 & 2 Sports & Entertainment Marketing 2 Work Based Credit		Psychology Sociology Visual Arts courses Speech courses Theatre courses Fashion Merchandising 1 Digital Media Marketing		Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project

Professional Opportunities Upon Graduation		
High School Diploma	2-Year Associates Degree	4-Year Degree and Higher
Bank Teller Customer Service Representative Sales Associate	Assistant Store Manager Customer Service Supervisor General Manager Office Manager	Chief Executive Officer Educator Entrepreneur Marketing Manager

*Course selection will depend on satisfying prerequisites.

School of Business, Management and Information Systems
Cluster of Study: Marketing Sales and Services

Major: Merchandising

Required Core for Graduation	Sample Core Choices			
	9	10	11	12
English* Four units	English 1	English 2	English 3	English 4
Math* Four units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry or Pre-Calculus	Pre-Calculus or Calculus
Science* Three units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* Three units	One unit of Social Studies		U.S. History	Economics/Government
Additional Graduation Requirements	Physical Education or JROTC (one unit) Computer Science (one unit) World Language or CATE (one unit) Health and Wellness (half unit)		Electives (seven units)	
Required Courses for Major (Four credits required)		Complementary Coursework		Extended Learning Opportunity Options Related to Major
Marketing Merchandising Plus two or more of the following: Advertising Entrepreneurship Sports and Entertainment Marketing 1 Web Page Design & Development 1 & 2 Integrated Business Applications 1 Integrated Business Applications 2 Work Based Credit		Psychology Sociology Visual Arts courses Speech courses Theatre courses		Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project

Professional Opportunities Upon Graduation		
High School Diploma	2-Year Associates Degree	4-Year Degree and Higher
Customer Service Representative Sales Associate Visual/Creative Display Artist	Department Manager Operations Manager Sales Manager	Merchandising Manager Retail Marketing Coordinator Store Manager

*Course selection will depend on satisfying prerequisites.

School of Engineering, Manufacturing and Industrial Technologies
Cluster of Study: Agriculture, Food, and Natural Resources

(KHS)

Major: Agribusiness Systems

Required Core for Graduation	Sample Core Choices			
	9	10	11	12
English* Four units	English 1	English 2	English 3	English 4
Math* Four units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry or Pre-Calculus	Pre-Calculus or Calculus
Science* Three units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* Three units	One unit of Social Studies		U.S. History	Economics/Government
Additional Graduation Requirements	Physical Education or JROTC (one unit) Computer Science (one unit) World Language or CATE (one unit) Health and Wellness (half unit)		Electives (seven units)	
Required Courses for Major (Four credits required)	Complementary Coursework		Extended Learning Opportunity Options Related to Major	
Agricultural Science and Technology Agriculture Mechanics and Technology Greenhouse Technology Forestry Accounting 1 Personal Finance Entrepreneurship Landscape Technology	Environmental and Marine Science Accounting courses Visual Arts courses		Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project	

Professional Opportunities Upon Graduation		
High School Diploma	2-Year Associates Degree	4-Year Degree and Higher
Garden Center Assistant Landscape Installer	Greenhouse Operations Manager Landscape Installation Lawn/Garden Center Manager Owner	Agriculture Extension Agent Agribusiness Manager Agricultural Economist Landscape Architect

*Course selection will depend on satisfying prerequisites.

(KHS)

School of Engineering, Manufacturing and Industrial Technologies
Cluster of Study: Agriculture, Food, and Natural Resources
Major: Horticulture

Required Core for Graduation	Sample Core Choices			
	9	10	11	12
English* Four units	English 1	English 2	English 3	English 4
Math* Four units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry or Pre-Calculus	Pre-Calculus or Calculus
Science* Three units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* Three units	One unit of Social Studies		U.S. History	Economics/Government
Additional Graduation Requirements	Physical Education or JROTC (one unit) Computer Science (one unit) World Language or CATE (one unit) Health and Wellness (half unit)		Electives (seven units)	
Required Courses for Major (Four credits required)		Complementary Coursework		Extended Learning Opportunity Options Related to Major
Agricultural Science and Technology And any two from below: Introduction to Horticulture Turf and Lawn Management Floriculture Landscape Technology		Environmental and Natural Resources Animal Science Forestry Outdoor Recreation Wildlife Management		Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project

Professional Opportunities Upon Graduation		
High School Diploma	2-Year Associates Degree	4-Year Degree and Higher
Landscape Installer Garden Center Assistant	Golf Course Manager Fish & Game Warden Sales Engineer Landscape Architect	Agriculture Engineer Nursery Owner Agricultural Scientist Forester & Conservation Scientist

*Course selection will depend on satisfying prerequisites.

School of Engineering, Manufacturing and Industrial Technologies (HCTC)
Cluster of Study: Architecture and Construction

Major: Architecture

Required Core for Graduation	Sample Core Choices			
	9	10	11	12
English* Four units	English 1	English 2	English 3	English 4
Math* Four units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry or Pre-Calculus	Pre-Calculus or Calculus
Science* Three units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* Three units	One unit of Social Studies		U.S. History	Economics/Government
Additional Graduation Requirements	Physical Education or JROTC (one unit) Computer Science (one unit) World Language or CATE (one unit) Health and Wellness (half unit)		Electives (seven units)	
Required Courses for Major (Four credits required)		Complementary Coursework		Extended Learning Opportunity Options Related to Major
Mechanical Design 1 Architectural Design 1 Architectural Design 2 Architectural Design 3 Honors Physics Honors AP Physics 3-D Design		Building Construction courses Calculus Physics Visual Arts courses		Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project

Professional Opportunities Upon Graduation		
High School Diploma	2-Year Associates Degree	4-Year Degree and Higher
Drafting Assistant Technical Illustrator Carpenter Construction Technician	CAD Technician Architectural/Civil Engineering Technician Engineering Design Technician	Architect Construction Engineer/Civil Environmental Engineer Mechanical Engineer

*Course selection will depend on satisfying prerequisites.

School of Engineering, Manufacturing and Industrial Technologies (HCTC)
Cluster of Study: Architecture and Construction
Major: Construction

Required Core for Graduation	Sample Core Choices			
	9	10	11	12
English* Four units	English 1	English 2	English 3	English 4
Math* Four units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry or Pre-Calculus	Pre-Calculus or Calculus
Science* Three units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* Three units	One unit of Social Studies		U.S. History	Economics/Government
Additional Graduation Requirements	Physical Education or JROTC (one unit) Computer Science (one unit) World Language or CATE (one unit) Health and Wellness (half unit)		Electives (seven units)	
Required Courses for Major (Four credits required)	Complementary Coursework		Extended Learning Opportunity Options Related to Major	
Building Construction 1 Building Construction 2	Construction Technology 3 Geometry Mechanical and Architectural Design courses Visual Arts courses		Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project	

Professional Opportunities Upon Graduation		
High School Diploma	2-Year Associates Degree	4-Year Degree and Higher
Carpenter Construction Technician Drafting Assistant	Architectural Engineer Civil Engineer Technician	Architect Civil Engineer Mechanical Engineer

*Course selection will depend on satisfying prerequisites.

(HCTC)

School of Engineering, Manufacturing and Industrial Technologies
Cluster of Study: Arts, A/V Technology and Communications
Major: Telecommunications

Required Core for Graduation	Sample Core Choices			
	9	10	11	12
English* Four units	English 1	English 2	English 3	English 4
Math* Four units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry or Pre-Calculus	Pre-Calculus or Calculus
Science* Three units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* Three units	One unit of Social Studies		U.S. History	Economics/Government
Additional Graduation Requirements	Physical Education or JROTC (one unit) Computer Science (one unit) World Language or CATE (one unit) Health and Wellness (half unit)		Electives (seven units)	
Required Courses for Major (Four credits required)	Complementary Coursework		Extended Learning Opportunity Options Related to Major	
Media/Entertainment 1 & 2	Journalism Photography 1 & 2 Speech 1 & 2 Theatre Courses Video Production		Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project	

Professional Opportunities Upon Graduation		
High School Diploma	2-Year Associates Degree	4-Year Degree and Higher
Audio Systems Camera Operator News reporter Technician Assistant	Audio Systems Broadcast Journalist Video Systems Technician	Audio Video Designer Audio Video Engineer Special effects Technician TV Broadcaster

*Course selection will depend on satisfying prerequisites.

School of Engineering, Manufacturing and Industrial Technologies (HCTC)
Cluster of Study: Manufacturing

Major: Production

Required Core for Graduation	Sample Core Choices			
	9	10	11	12
English* Four units	English 1	English 2	English 3	English 4
Math* Four units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry or Pre-Calculus	Pre-Calculus or Calculus
Science* Three units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* Three units	One unit of Social Studies		U.S. History	Economics/Government
Additional Graduation Requirements	Physical Education or JROTC (one unit) Computer Science (one unit) World Language or CATE (one unit) Health and Wellness (half unit)		Electives (seven units)	
Required Courses for Major (Four credits required)	Complementary Coursework		Extended Learning Opportunity Options Related to Major	
Welding 1 Welding 2	Manufacturing courses Welding 3 (2 units)		Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project	

Professional Opportunities Upon Graduation		
High School Diploma	2-Year Associates Degree	4-Year Degree and Higher
Entry Level Welder Machine Operator Millwright Helper	CNC Operator Machinist Manufacturing Machinery Technician	Design Engineer Manufacturing Engineer Metallurgist Quality Control Engineer

*Course selection will depend on satisfying prerequisites.

School of Engineering, Manufacturing and Industrial Technologies (KHS)
Cluster of Study: Science, Technology, Engineering, and Mathematics

Major: Clean Energy

Required Core for Graduation	Sample Core Choices			
	9	10	11	12
English* Four units	English 1	English 2	English 3	English 4
Math* Four units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry or Pre-Calculus	Pre-Calculus or Calculus
Science* Three units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* Three units	One unit of Social Studies		U.S. History	Economics/Government
Additional Graduation Requirements	Physical Education or JROTC (one unit) Computer Science (one unit) World Language or CATE (one unit) Health and Wellness (half unit)		Electives (seven units)	
Required Courses for Major (Four credits required)	Complementary Coursework		Extended Learning Opportunity Options Related to Major	
Introduction to Engineering Principles of Engineering Civil Engineer Digital Electronics Engineering Design and Development Aerospace Engineer	Mathematics courses Science courses Physical Science courses		Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project	

Professional Opportunities Upon Graduation		
High School Diploma	2-Year Associates Degree	4-Year Degree and Higher
Not applicable	Renewable Energy Systems	Energy Engineer

*Course selection will depend on satisfying prerequisites.

School of Engineering, Manufacturing and Industrial Technologies (KHS/LRH)
Cluster of Study: Science, Technology, Engineering, and Mathematics

Major: Computer Science Engineering

Required Core for Graduation	Sample Core Choices			
	9	10	11	12
English* Four units	English 1	English 2	English 3	English 4
Math* Four units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry or Pre-Calculus	Pre-Calculus or Calculus
Science* Three units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* Three units	One unit of Social Studies		U.S. History	Economics/Government
Additional Graduation Requirements	Physical Education or JROTC (one unit) Computer Science (one unit) World Language or CATE (one unit) Health and Wellness (half unit)		Electives (seven units)	
Required Courses for Major (Four credits required)		Complementary Coursework		Extended Learning Opportunity Options Related to Major
Computer Science Computer Programming 1 and 2 or Web Page Design and Development 1 and 2 And one from below: Calculus AP Calculus AP Computer Science		Mathematics courses		Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project

Professional Opportunities Upon Graduation		
High School Diploma	2-Year Associates Degree	4-Year Degree and Higher
Not applicable	Engineering Development	Chief Information Officer Computer Software Engineer Computer Systems Analyst Network Systems Analyst

*Course selection will depend on satisfying prerequisites.

(CHS, DHS, KHS, LRH)

School of Engineering, Manufacturing and Industrial Technologies
Cluster of Study: Science, Technology, Engineering, and Mathematics
Major: Engineering

Required Core for Graduation	Sample Core Choices			
	9	10	11	12
English* Four units	English 1	English 2	English 3	English 4
Math* Four units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry or Pre-Calculus	Pre-Calculus or Calculus
Science* Three units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* Three units	One unit of Social Studies		U.S. History	Economics/Government
Additional Graduation Requirements	Physical Education or JROTC (one unit) Computer Science (one unit) World Language or CATE (one unit) Health and Wellness (half unit)		Electives (seven units)	
Required Courses for Major (Four credits required)	Complementary Coursework		Extended Learning Opportunity Options Related to Major	
Introduction to Engineering Principles of Engineering Civil Engineer Digital Electronics Engineering Design and Development Aerospace Engineer Engineering Technology Honors Electronics for Engineers Honors	3D Design Calculus AP Calculus Physics AP Physics		Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project	

Professional Opportunities Upon Graduation		
High School Diploma	2-Year Associates Degree	4-Year Degree and Higher
Not applicable	Engineering Development	Chemical Engineer Electrical Engineer Environmental/Civil Engineer Mechanical Engineer

*Course selection will depend on satisfying prerequisites.

School of Engineering, Manufacturing and Industrial Technologies
Cluster of Study: Science, Technology, Engineering, and Mathematics

Major: Mathematics

Required Core for Graduation	Sample Core Choices			
	9	10	11	12
English* Four units	English 1	English 2	English 3	English 4
Math* Four units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry or Pre-Calculus	Pre-Calculus or Calculus
Science* Three units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* Three units	One unit of Social Studies		U.S. History	Economics/Government
Additional Graduation Requirements	Physical Education or JROTC (one unit) Computer Science (one unit) World Language or CATE (one unit) Health and Wellness (half unit)		Electives (seven units)	
Required Courses for Major (Four credits required)	Complementary Coursework		Extended Learning Opportunity Options Related to Major	
Pre-Calculus AP Statistics Calculus or AP Calculus Probability and Statistics Accounting 2 Algebra 3 Physics	Chemistry Introduction to Engineering Technology		Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project	

Professional Opportunities Upon Graduation		
High School Diploma	2-Year Associates Degree	4-Year Degree and Higher
Accounts Clerk Bookkeeper	Accountant Logistics/Scheduler Tax Preparer	Educator Financial Planner Software/Hardware Designer Stock Broker

*Course selection will depend on satisfying prerequisites.

School of Engineering, Manufacturing and Industrial Technologies
Cluster of Study: Science, Technology, Engineering, and Mathematics

Major: Science

Required Core for Graduation	Sample Core Choices			
	9	10	11	12
English* Four units	English 1	English 2	English 3	English 4
Math* Four units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry or Pre-Calculus	Pre-Calculus or Calculus
Science* Three units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* Three units	One unit of Social Studies		U.S. History	Economics/Government
Additional Graduation Requirements	Physical Education or JROTC (one unit) Computer Science (one unit) World Language or CATE (one unit) Health and Wellness (half unit)		Electives (seven units)	
Required Courses for Major (Four credits required)	Complementary Coursework		Extended Learning Opportunity Options Related to Major	
Anatomy and Physiology Biology 2 AP Biology IB Biology HL Environmental and Marine Science AP Environmental Science Forensic Science Marine Science Physics 1 Honors AP Physics IB Physics HL Chemistry 1 Honors Chemistry AP IB Chemistry HL	Earth Science World Languages Calculus		Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project	

Professional Opportunities Upon Graduation		
High School Diploma	2-Year Associates Degree	4-Year Degree and Higher
Environmental Assistant Landscaper Production Worker Zoo Attendant	Forestry Technician Lab Technician Veterinarian Assistant	Chemist Educator Physicist

*Course selection will depend on satisfying prerequisites.

School of Engineering, Manufacturing and Industrial Technologies (HCTC)
Cluster of Study: Transportation, Distribution and Logistics

Major: Automotive Technology

Required Core for Graduation	Sample Core Choices			
	9	10	11	12
English* Four units	English 1	English 2	English 3	English 4
Math* Four units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry or Pre-Calculus	Pre-Calculus or Calculus
Science* Three units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* Three units	One unit of Social Studies		U.S. History	Economics/Government
Additional Graduation Requirements	Physical Education or JROTC (one unit) Computer Science (one unit) World Language or CATE (one unit) Health and Wellness (half unit)		Electives (seven units)	
Required Courses for Major (Four credits required)	Complementary Coursework		Extended Learning Opportunity Options Related to Major	
Automotive Technology 1 and 2 Or Diesel Technology 1 and 2	Accounting Automotive Technology 3 Diesel Technology 3 Marketing Physics Welding		Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project	

Professional Opportunities Upon Graduation		
High School Diploma	2-Year Associates Degree	4-Year Degree and Higher
Bus Driver Maintenance Technician Mechanic Helper	Automotive Technician Mechanic Service Technician	Automotive Design Engineer Automotive Business Entrepreneur Mechanical Engineer

*Course selection will depend on satisfying prerequisites.

School of Health Science and Human Services

(ECH, LRH)

Cluster of Study: Family & Consumer Sciences

Major: Early Childhood Education

Required Core for Graduation	Sample Core Choices			
	9	10	11	12
English* Four units	English 1	English 2	English 3	English 4
Math* Four units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry or Pre-Calculus	Pre-Calculus or Calculus
Science* Three units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* Three units	One unit of Social Studies		U.S. History	Economics/Government
Additional Graduation Requirements	Physical Education or JROTC (one unit) Computer Science (one unit) World Language or CATE (one unit) Health and Wellness (half unit)		Electives (seven units)	
Required Courses for Major (Four credits required)	Complementary Coursework		Extended Learning Opportunity Options Related to Major	
Early Childhood Education 1 Early Childhood Education 2 Plus two or more of the following: Child Development 1 & 2 Introduction to Early Childhood Education Family Life Education 1 & 2 Parenting Education 1 Nutrition 1 & 2 Financial Fitness 1 & 2 Entrepreneurship Nutrition 1 & 2 Culinary Arts Teacher Cadet	Art 1 & 2 Psychology 101 Sociology World Language Psychology English AP or 101		Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project	

Professional Opportunities Upon Graduation		
High School Diploma	2-Year Associates Degree	4-Year Degree and Higher
Child Care Provider Preschool Aide Recreation Aide	Child Care Owner Teaching Assistant Therapy Assistant	Counselor Principal Teacher

*Course selection will depend on satisfying prerequisites.

(LRH)

School of Health Science and Human Services

Cluster of Study: Family & Consumer Sciences

Major: Family & Consumer Science Design

Required Core for Graduation	Sample Core Choices			
	9	10	11	12
English* Four units	English 1	English 2	English 3	English 4
Math* Four units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry or Pre-Calculus	Pre-Calculus or Calculus
Science* Three units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* Three units	One unit of Social Studies		U.S. History	Economics/Government
Additional Graduation Requirements	Physical Education or JROTC (one unit) Computer Science (one unit) World Language or CATE (one unit) Health and Wellness (half unit)		Electives (seven units)	
Required Courses for Major (Four credits required)	Complementary Coursework		Extended Learning Opportunity Options Related to Major	
Family & Consumer Science 1 & 2 Fashion, Fabric & Design 1 & 2	Art 1 & 2 Psychology 101 Sociology Human Services Work Based Learning Internship 1 & 2		Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project	

Professional Opportunities Upon Graduation		
High School Diploma	2-Year Associates Degree	4-Year Degree and Higher
Sales Associate Demonstrator Laundry & Dry Cleaning Worker	Fashion Designer Asst. Marketing Manager Asst. Purchasing Manager Asst.	Fashion Designer Marketing Manager Purchasing Manager

*Course selection will depend on satisfying prerequisites.

School of Health Science and Human Services

(KHS, LRH)

Cluster of Study: Family & Consumer Sciences

Major: Food, Nutrition and Wellness

Required Core for Graduation	Sample Core Choices			
	9	10	11	12
English* Four units	English 1	English 2	English 3	English 4
Math* Four units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry or Pre-Calculus	Pre-Calculus or Calculus
Science* Three units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* Three units	One unit of Social Studies		U.S. History	Economics/Government
Additional Graduation Requirements	Physical Education or JROTC (one unit) Computer Science (one unit) World Language or CATE (one unit) Health and Wellness (half unit)		Electives (seven units)	
Required Courses for Major (Four credits required)	Complementary Coursework		Extended Learning Opportunity Options Related to Major	
Family & Consumer Sciences 1 & 2 Financial Fitness 1 & 2 OR Introduction to Culinary Arts Culinary Arts 1	Business Law Marketing Entrepreneurship Human Services Work Based Learning Internship 1 & 2		Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project	

Professional Opportunities Upon Graduation		
High School Diploma	2-Year Associates Degree	4-Year Degree and Higher
Fitness Worker Health Club Worker Recreation Worker	Occupational Therapist Asst. Personal Trainer Physical Therapist Asst.	Dietetic Technician Dietician Nutritionist Family & Consumer Sciences Teacher

*Course selection will depend on satisfying prerequisites.

School of Health Science and Human Services (ECH, LRH)

Cluster of Study: Family & Consumer Sciences Major: Consumer Services

Required Core for Graduation	Sample Core Choices			
	9	10	11	12
English* Four units	English 1	English 2	English 3	English 4
Math* Four units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry or Pre-Calculus	Pre-Calculus or Calculus
Science* Three units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* Three units	One unit of Social Studies		U.S. History	Economics/Government
Additional Graduation Requirements	Physical Education or JROTC (one unit) Computer Science (one unit) World Language or CATE (one unit) Health and Wellness (half unit)		Electives (seven units)	
Required Courses for Major (Four credits required)		Complementary Coursework		Extended Learning Opportunity Options Related to Major
Child Development 1 Family & Consumer Sciences 1 & 2 Parenting Education 1		Art 1 & 2 Psychology 101 Sociology Child Development 2 Financial Fitness 1 & 2		Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project

Professional Opportunities Upon Graduation		
High School Diploma	2-Year Associates Degree	4-Year Degree and Higher
Assistant Geriatric Short Order Cook Social & Human Service	Assistant Director Childcare Community Food Service Worker Facility Community Housing Service Worker	Counselor Psychologist Social Worker Vocational Rehabilitation Counselor

*Course selection will depend on satisfying prerequisites.

(CHS, CAJH)

School of Health Science and Human Services

Cluster of Study: Health Science Major: Biomedical Sciences

Required Core for Graduation	Sample Core Choices			
	9	10	11	12
English* Four units	English 1	English 2	English 3	English 4
Math* Four units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry or Pre-Calculus	Pre-Calculus or Calculus
Science* Three units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* Three units	One unit of Social Studies		U.S. History	Economics/Government
Additional Graduation Requirements	Physical Education or JROTC (one unit) Computer Science (one unit) World Language or CATE (one unit) Health and Wellness (half unit)		Electives (seven units)	
Required Courses for Major (Four credits required)	Complementary Coursework		Extended Learning Opportunity Options Related to Major	
Principles of Biomedical Sciences Human Body Systems Medical Innovation Medical Interventions	Chemistry II Genetics Anatomy and Physiology Biology 2 Probability and Statistics Health Science Work Based Learning Internship 1 & 2		Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project	

Professional Opportunities Upon Graduation		
High School Diploma	2-Year Associates Degree	4-Year Degree and Higher
Not applicable	Genetics Lab Technician Lab Assistant Quality Assurance Technician	Biochemist Bioinformatics Scientist Biomedical Chemist Biostatistician

*Course selection will depend on satisfying prerequisites.

School of Health Science and Human Services

(CAJH, HCTC, LRH)

Cluster of Study: Health Science

Major: Diagnostic Services

Required Core for Graduation	Sample Core Choices			
	9	10	11	12
English* Four units	English 1	English 2	English 3	English 4
Math* Four units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry or Pre-Calculus	Pre-Calculus or Calculus
Science* Three units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* Three units	One unit of Social Studies		U.S. History	Economics/Government
Additional Graduation Requirements	Physical Education or JROTC (one unit) Computer Science (one unit) World Language or CATE (one unit) Health and Wellness (half unit)		Electives (seven units)	
Required Courses for Major (Four credits required)		Complementary Coursework		Extended Learning Opportunity Options Related to Major
Health Science 1 & 2 Health Science 3 Health Science Clinical Study		Health Science 1 & 2 Health Science 3 Health Science Clinical Study		Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project

Professional Opportunities Upon Graduation		
High School Diploma	2-Year Associates Degree	4-Year Degree and Higher
Food Service Worker Certified Nurse Assistant Transport Technician	Biomedical Technician Clinical Technician Hospital Maintenance Engineer	Biomedical Engineer Clinical Engineer Facilities Manager

*Course selection will depend on satisfying prerequisites.

School of Health Science and Human Services

Cluster of Study: Health Science

(CAJH, HCTC)

Major: Therapeutic Services

Required Core for Graduation	Sample Core Choices			
	9	10	11	12
English* Four units	English 1	English 2	English 3	English 4
Math* Four units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry or Pre-Calculus	Pre-Calculus or Calculus
Science* Three units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* Three units	One unit of Social Studies		U.S. History	Economics/Government
Additional Graduation Requirements	Physical Education or JROTC (one unit) Computer Science (one unit) World Language or CATE (one unit) Health and Wellness (half unit)		Electives (seven units)	
Required Courses for Major (Four credits required)		Complementary Coursework		Extended Learning Opportunity Options Related to Major
Sports Medicine 1, 2 & 3 and One of the following: Anatomy and Physiology Biology 2 AP Biology		Health Science 1 Health Science 3 Anatomy and Physiology Medical Terminology Sports & Fitness Management 1 & 2 Pharmacology Sports Medicine Workbased credit		Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project

Professional Opportunities Upon Graduation		
High School Diploma	2-Year Associates Degree	4-Year Degree and Higher
Personal Trainer Physical Therapy Aide Pharmacy Aide Occupational Therapy Aide	Physical Therapy Assistant Pharmacy Technician Occupational Therapy Assistant Surgical Technician	Athletic Trainer Physical Therapist Orthopedic Surgeon Chiropractor

*Course selection will depend on satisfying prerequisites.

School of Health Science and Human Services (HCTC, LRH)

Cluster of Study: Human Services

Major: Personal Care Services

Required Core for Graduation	Sample Core Choices			
	9	10	11	12
English* Four units	English 1	English 2	English 3	English 4
Math* Four units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry or Pre-Calculus	Pre-Calculus or Calculus
Science* Three units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* Three units	One unit of Social Studies		U.S. History	Economics/Government
Additional Graduation Requirements	Physical Education or JROTC (one unit) Computer Science (one unit) World Language or CATE (one unit) Health and Wellness (half unit)		Electives (seven units)	
Required Courses for Major (Four credits required)		Complementary Coursework		Extended Learning Opportunity Options Related to Major
Cosmetology 1 and 2 Cosmetology 3 and 4 Or Barber/Master Hair Care 1 and 2 Barber/Master Hair Care 3 and 4		Visual Arts Psychology Sociology Marketing Chemistry Anatomy and Physiology Entrepreneurship		Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project

Professional Opportunities Upon Graduation		
High School Diploma	2-Year Associates Degree	4-Year Degree and Higher
Cosmetologist Nail Technician State board certification required	Not applicable	Educator State board certification required

*Course selection will depend on satisfying prerequisites.

School of Health Science and Human Services

(LRH)

Cluster of Study: Law, Public Safety, Corrections, and Security

Major: Fire Management

Required Core for Graduation	Sample Core Choices			
	9	10	11	12
English* Four units	English 1	English 2	English 3	English 4
Math* Four units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry or Pre-Calculus	Pre-Calculus or Calculus
Science* Three units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* Three units	One unit of Social Studies		U.S. History	Economics/Government
Additional Graduation Requirements	Physical Education or JROTC (one unit) Computer Science (one unit) World Language or CATE (one unit) Health and Wellness (half unit)		Electives (seven units)	
Required Courses for Major (Four credits required)		Complementary Coursework		Extended Learning Opportunity Options Related to Major
Firefighter 1 & 2		Green Beret Leadership Program Introduction to Health Science		Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project

Professional Opportunities Upon Graduation		
High School Diploma	2-Year Associates Degree	4-Year Degree and Higher
Entry level firefighter Basic EMT Firefighter	Advanced firefighter Emergency planning manager EMT	Fire and emergency management Emergency management Fire battalion Chief

*Course selection will depend on satisfying prerequisites.

School of Health Science and Human Services

Cluster of Study: Law, Public Safety, Corrections, and Security

Major: Law and Legal Services

Required Core for Graduation	Sample Core Choices			
	9	10	11	12
English* Four units	English 1	English 2	English 3	English 4
Math* Four units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry or Pre-Calculus	Pre-Calculus or Calculus
Science* Three units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* Three units	One unit of Social Studies		U.S. History	Economics/Government
Additional Graduation Requirements	Physical Education or JROTC (one unit) Computer Science (one unit) World Language or CATE (one unit) Health and Wellness (half unit)		Electives (seven units)	
Required Courses for Major (Four credits required)		Complementary Coursework		Extended Learning Opportunity Options Related to Major
Business Law Introduction to Criminal Justice 101 Current Issues Law Related Education Psychology or Psychology 101 or AP Psychology Public Speaking Sociology Speech and Debate 1		AP Government AP Macroeconomics Chemistry Discrete Math Desktop Publishing IB Language B SL or HL 1, 2 Performing Arts Personal Finance Probability and Statistics Visual Arts Web Page Design & Dev. 1, 2 World History World Language		Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project

Professional Opportunities Upon Graduation		
High School Diploma	2-Year Associates Degree	4-Year Degree and Higher
Case Management Clerk Court Records Clerk Legal Secretary	Information Officer Law Clerk Paralegal	Corporate Attorney Law Attorney Law Professor

*Course selection will depend on satisfying prerequisites.

School of Health Science and Human Services

Cluster of Study: Government and Public Administration

Major: National Security

Required Core for Graduation	Sample Core Choices			
	9	10	11	12
English* Four units	English 1	English 2	English 3	English 4
Math* Four units	Algebra 1	Algebra 2 or Geometry	Probability/Statistics, Geometry or Pre-Calculus	Pre-Calculus or Calculus
Science* Three units	Biology	Chemistry or Other Lab Science	Physics or Other Lab Science	Other Lab Science
Social Studies* Three units	One unit of Social Studies		U.S. History	Economics/Government
Additional Graduation Requirements	Physical Education or JROTC (one unit) Computer Science (one unit) World Language or CATE (one unit) Health and Wellness (half unit)		Electives (seven units)	
Required Courses for Major (Four credits required)	Complementary Coursework		Extended Learning Opportunity Options Related to Major	
JROTC Aerospace three units plus honors JROTC Naval Science 1, 2, 3, 4 Army JROTC Leadership, Education and Training 2, 3, 4, 5	Aerospace Advanced Skills 1, 2, 3, 4 Aerospace Education 1, 2, 3, 4 Aerospace Leadership Seminar 1, 2 Ground School for Flying Leadership Advanced Skills 1, 2, 3, 4 Leadership Education & Training 5, 6 Leadership Seminar 1, 2 Naval Advanced Skills 1, 2, 3, 4 Naval Leadership Seminar 1, 2		Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project	

Professional Opportunities Upon Graduation		
High School Diploma	2-Year Associates Degree	4-Year Degree and Higher
Electronic Warfare Operation Infantry Field Artillery Munitions Specialist	Law Enforcement Officer Military Recruit Military Recruiter	Captain Lieutenant Officer Major

*Course selection will depend on satisfying prerequisites.

English Progression Chart

Grade 8

Grade 9

Grade 10

Grade 11

Grade 12

English 1 Honors

English 2 Honors

English 3 Honors

AP Language

AP Literature

8th Grade English Honors

English 1 Honors

English 2 Honors

AP Language

AP Literature

or

8th Grade Honors

English 1 Honors

English 2 Honors

English 3 Honors

English 4 Honors

or

8th Grade Honors

English 1 Honors

English 2 Honors

English 3 Honors

AP Language

8th Grade English

English 1

English 2

English 3

English 4

COURSE DESCRIPTIONS

COURSE NUMBERS AND TAGS

Each course has a number (i.e. 301100) and a course tag (i.e. HW) to indicate the level of the course. Use the following legend to guide you as you make your course selections:

CW — College Prep
HW — Honors
AW — Advanced Placement
IW — International Baccalaureate
EW — Dual Credit
CH — 1/2 unit College Prep
HH — 1/2 unit Honors
CD — 2 units College Prep
HD — 2 units Honors
CT — 3 units College Prep
HT — 3 units Honors

ENGLISH/LANGUAGE ARTS

All high school students are required to take one English course each year. Four Carnegie units earned in English courses are required for high school graduation. English courses should be taken in sequence.

English 1 302400CW Grade: 9 1 unit

Prerequisite: None

In this course, students continue their development of reading skills through structured and independent study of literary and informational texts. Through close reading, discussion and analysis of diverse themes and perspectives, students will evaluate arguments and formulate claims supported through text based evidence from print and digital resources. Additionally, students will cultivate and apply skills in critical thinking, writing, speaking and listening, and word study around increasingly complex texts, ideas and tasks aimed at preparing students for college and career. All English 1 students must take South Carolina's end-of-course exam, which accounts for 20% of the year's grade, by state law.

English 1 Honors 302400HW Grade: 9 1 unit

Prerequisite: None

In this course, students continue their development of reading skills through structured and independent study of literary and informational texts. Through close reading, discussion and analysis of diverse themes and perspectives, students will evaluate arguments and formulate claims supported through text based evidence from print and digital resources. Additionally, students will cultivate and apply skills in critical thinking, writing, speaking and listening, and word study around increasingly complex texts, ideas and tasks aimed at preparing students for college and career. An increased level of independence is expected of Honors students, due to the pace, depth, scope and rigor of this course. It is strongly recommended that students in this course plan to take Advanced Placement English courses. All English 1 students must take South Carolina's end-of-course exam, which accounts for 20% of the year's grade, by state law.

English 2 302500CW Grade: 10 1 unit

Prerequisite: English 1

In this course, students deepen their understanding and hone reading skills through structured and independent study of literary and informational texts from varied global perspectives. Through close reading, discussion and analysis of diverse themes, students will analyze and evaluate arguments, reflect and research a wide range of topics, and formulate claims supported through text based evidence from print and digital resources. Additionally, students will further develop their skills in critical thinking, writing, speaking and listening, and word study around increasingly complex texts, ideas and tasks aimed at preparing students for college and career.

English 2 Honors 302500HW Grade: 10 1 unit

Prerequisite: English 1

In this course, students deepen their understanding and hone reading skills through structured and independent study of literary and informational texts from varied global perspectives. Through close reading, discussion and analysis of diverse themes, students will analyze and evaluate arguments, reflect and research a wide range of topics, and formulate claims supported through text based evidence from print and digital resources. Additionally, students will further develop their skills in critical thinking, writing, speaking and listening, and word study around increasingly complex texts, ideas and tasks aimed at preparing students for college and career. An increased level of independence is expected of Honors students, due to the pace, depth, scope and rigor of this course. It is strongly recommended that students in this course plan to take Advanced Placement English courses.

English 3 302600CW Grade: 11 1 unit

Prerequisite: English 2

In this course, students refine their reading trajectories through structured and independent study of literary and informational texts through, but not limited to, early and contemporary American literature. Through close reading, discussion and analysis of diverse themes, students will analyze and evaluate various texts, reflect and research a wide range of topics, write for a range of tasks and audiences, and formulate claims supported through text based evidence from print and digital resources. Additionally, students will further develop their skills in critical thinking, writing, speaking and listening, and word study around increasingly complex texts, ideas and tasks aimed at preparing students for college and career.

English 3 Honors 302600HW Grade: 11 1 unit

Prerequisite: English 2 Honors

In this course, students refine their reading trajectories through structured and independent study of literary and informational texts through, but not limited to, early and contemporary American literature. Through close reading, discussion and analysis of diverse themes, students will analyze and evaluate various texts, reflect and research a wide range of topics, write for a range of tasks and audiences, and formulate claims supported through text based evidence from print and digital resources. Additionally, students will further develop their skills in critical thinking, writing, speaking and listening, and word study around increasingly complex texts, ideas and tasks aimed at preparing students for college and career. A strong level of independence, analytical thought, and commitment to rigorous study is required of Honors students at this level, due to the rigid demands of this course.

AP English Language and Composition Seminar 307101HW Grade: 11 1 unit of elective credit

Prerequisite: Student must be enrolled in AP English Language and Composition

This course is designed to provide more learning time and increase the depth of study for students taking AP English Language and Composition. Course content will extend the content of AP English Language and Composition. The emphasis will be on developing the rigorous, college level academic skills needed for the attendant AP examination given in the spring. The focus will be on polishing sophisticated writing skills and refining evaluative perceptions of literature in a variety of genres.

AP English Language and Composition 307100AW Grade: 11 1 unit

Prerequisite: Honors students with above average grades and teacher recommendation

Participating colleges and universities grant credit and/or appropriate placement on the basis of test scores. AP English Language and Composition is an advanced course in effective strategies for writing and critical reading. It is designed for college-bound students with an above average command of composition and grammar skills. Course content emphasizes rhetorical techniques valuable for a variety of topics

and sharing ideas. They will learn how to gather information, to develop discourse, to organize details, to use effective diction and to appeal to specific audiences. As readers, they will learn to recognize the language patterns that authors have created and to describe their responses to the patterns. The Advanced Placement exam is required of students enrolled in the course.

English 4 **302700CW**
Grade: 12 **1 unit**

Prerequisite: English III or Teacher Recommendation

This course is designed to provide intense learning experiences as the culminating course for the college and career bound student. This course draws on students' enriched skills in reading, advanced writing, speaking and listening, research and presentation to navigate the depth and complexity of literary and informational texts and ideas. Students will focus on, but are not limited to, European works and cultures outside of the United States. Through close reading, discussion and analysis of diverse themes, students will analyze and evaluate various

English 4 Honors **302700HW**
Grade: 12 **1 unit**

Prerequisite: English III Honors or Teacher Recommendation

This course is designed to provide intense learning experiences as the culminating course for the college and career bound student. This course draws on students' enriched skills in reading, advanced writing, speaking and listening, research and presentation to navigate the depth and complexity of literary and informational texts and ideas. Students will focus on, but are not limited to, European works and cultures outside of the United States. Through close reading, discussion and analysis of diverse themes, students will analyze and evaluate various texts, reflect and research a wide range of topics, write for a range of tasks and audiences, and formulate claims supported through text based evidence from print and digital resources. Additionally, students will further develop their skills in critical thinking, writing, speaking and listening, and word study around increasingly complex texts, ideas and tasks. A strong level of independence, analytical thought, and commitment to rigorous study is required of Honors students at this level, due to the rigid demands of this course.

AP English Literature and Composition Seminar **307002HW**
Grade: 12 **1 unit of elective credit**

Prerequisite: Student must be enrolled in AP English Literature and Composition

This course is designed to provide more learning time and increase the depth of study for students taking AP English Literature and Composition. Course content will extend the content of AP English Literature and Composition. The emphasis will be on developing the rigorous, college level academic skills needed for the attendant AP examination given in the spring. The focus will be on polishing sophisticated writing skills and refining evaluative perceptions of literature in a variety of genres.

AP English Literature and Composition **307000AW**
Grade: 12 **1 unit**

Prerequisite: Above average grades, English III Honors, or Teacher Recommendation

Participating colleges and universities grant credit and/or appropriate placement on the basis of test scores. English AP is designed to prepare students for taking the CEEB English Advanced Placement Examination. This exam gives students the opportunity to demonstrate writing ability and perceptions of literature including language, structure, meaning, and evaluation of a representative sampling of several genres. The exam is required of students enrolled in the course.

ENG 101 – English Composition I **301500EW**
Grades: 10 – 12 **1 unit and 3 hours college credit**

Prerequisite: Qualifying placement test score, see counselor for more information

This is a (college-transfer) course in which the following topics are presented: a study of composition in conjunction with appropriate literary selections, with frequent theme assignments to reinforce effective writing. A review of standard usage and the basic techniques of research are also presented.

ENG 102 – English Composition II **301600EW**
Grades: 10 – 12 **1 unit and 3 hours college credit**

Prerequisite: Eng 101–English Composition I

This is a (college-transfer) course in which the following topics are presented: development of writing skills through logical organization, effective style, literary analysis and research. An introduction to literary genre is also included.

ENG 238 – Creative Writing **303100EW**
Grades: 10 – 12 **1 unit and 3 hours college credit**

Prerequisite: ENG 102 – English Composition II

This course presents an introduction to creative writing in various genres.

ENGLISH/LANGUAGE ARTS ELECTIVES

English elective courses are designed to offer students an opportunity for enrichment. Students should consider taking these courses when interested or when they align with their chosen career cluster.

Academic Literacy **309915CW**
Grade: 9 **1 unit**

Prerequisite: None

This course will provide students with opportunities to build on their abilities as critical readers with reference to other texts and world knowledge, to understand a given text in the broader context of its genre and discipline, and to be able to interpret and apply understanding from the reading. The strategies taught will enable readers to construct new understanding by interacting within and across text, summarizing, analyzing, and evaluating by using literacy for creative and critical thinking and for problem solving.

Broadcast Journalism 1 **309944CW**
Grades: 10 – 12 **1 unit**

Prerequisite: Application Process, Algebra I or equivalent, 2.0 GPA or higher for Level I. For levels II, III, and IV: "C" or better in the previous course in the numbering sequence and instructor recommendation.

This course provides an introduction to the facets of live and recorded news and communication outlets. Students are engaged in creative processes and gather information to begin production of news and informational platforms.

Broadcast Journalism 2 **309945CW**
Grades: 10 – 12 **1 unit**

Prerequisite: Application Process, Algebra I or equivalent, 2.0 GPA or higher for Level I. For levels II, III, and IV: "C" or better in the previous course in the numbering sequence and instructor recommendation.

In this course, students deepen their understanding of journalism through engaging in experiences and contexts to prepare them for the world of disseminating information through news in digital and broadcast platforms.

Broadcast Journalism 3 **309946CW**

Prerequisite: Application Process, Algebra I or equivalent, 2.0 GPA or higher for Level I. For levels II, III, and IV: "C" or better in the previous course in the numbering sequence and instructor recommendation.

Students in this course begin exploring real world experiences in journalism for the masses. Students will learn about studio and cameras, lighting, audio, visual effects, editing and the various aspects of production including pre and post production. Students will use their skills and talents to create, produce and share their projects in school and community.

Broadcast Journalism 4 **309947CW**
Grades: 10 – 12 **1 unit**

Prerequisite: Application Process, Algebra I or equivalent, 2.0 GPA or higher for Level I. For levels II, III, and IV: "C" or better in the previous course in the numbering sequence and instructor recommendation.

As the culmination of their broadcast and multimedia experiences, students in this course become adept at using their skills and talents in producing and sharing news and information in a variety of formats.

Students will learn about studio and cameras, lighting, audio, visual effects, editing and the various aspects of production including pre and post production. Students will use their skills and talents to create, produce and share their projects in school and community, as they prepare to enter the journalism field.

Critical Reading 309931CW
Grade: 9 1 unit

Prerequisite: None

Critical Reading is a course geared toward ninth grade students as a support course to English 1. The curriculum consists of reading skills and strategies to help students to improve their critical thinking and comprehension skills as well as study skills to become better readers, thinkers, and writers. All work in this course will be standards framed using the South Carolina Academic Standards. Our Critical Reading goal for this course will be to improve reading and comprehension skills and for students to pass our state's EOC with a 70 or above.

Documentary Workshop 309916CW
Grade: 9 1 unit

Prerequisite: None

Students will be engaging in a process that will help them foster media literacy and critical thinking skills. Through reading, writing, discussion, and research they will investigate topics of their choosing. Students will document their questions, finding, and growth. The end product of their work will be two documentaries – one produced and screened in December and one in May. The major assessment will be a portfolio and a presentation in which the student explains his or her growth over the course of the year.

Documentary Production 309917CW
Grade: 10 1 unit

Prerequisite: Documentary Workshop

Students will engage in inquiry, creative expression, collaboration, "on the job" community action, and critical reflection by focusing on documentary media and the use of digital tools. By using a variety of technological and information resources such as libraries, databases, computer networks, students will shoot digital video, capture digital still images and audio, edit and prepare content for the Web. Students will apply knowledge of language structure, language conventions, media techniques, figurative language, and genre to critique, discuss, print and non-print texts, and produce their own documentaries for public viewing. Finally, this course uses the student's fascination with a prior knowledge of media to teach reading and writing strategies that will prepare students to be effective readers of various types of texts as they are empowered to construct new understanding and meaning within and across textual boundaries.

Fundamentals of Research 309901CH
Grades: 10 – 12 1/2 unit

Prerequisite: English 1

Students will gain extensive information to research methodology, skills and procedures. Practical application will be used for the class so these students are exposed to the different methods of research. An introduction to measurement will be taught as well.

Journalism 1 305000CW
Grades: 9 – 12 1 unit

Prerequisite: Teacher Recommendation

Journalism 1 introduces many facets of mass media communication and focuses on skills in clarity and consciousness of composition. Field trips to the offices of local publications and media will be scheduled, and representatives from these offices will be invited to speak to the class. Students will perform individual projects in writing for publication, scripting for broadcast, etc.

Journalism 2 305100CW
Grades: 10 – 12 1 unit

Prerequisite: Journalism 1

Journalism 2 is designed to be an elective for students in grades 10-12 who have successfully completed Journalism 1 and desire to continue their study of writing for publications. Students will learn publication design and production and assist with school publications.

Mythology 309913CH
Grades: 10 – 12 1/2 unit

Prerequisite: None

In mythology, students study classical legends of the Greek, Roman, and Nordic traditions, as well as some African, North American, Central and South American mythologies. The influences of mythology on literature and art will be a particular emphasis.

Read 180 379901CW (1st year)
379902CW (2nd year) 1 unit

Grades: 9 – 12

Prerequisite: Teacher Recommendation

This year long course will provide students with opportunities to improve their skills as effective readers. Components include interactive computer-assisted instruction, small group instruction, and independent reading.

SAT Prep 401100CH
Grades: 10 – 12 1/2 unit

Prerequisite: None

Exam Power will emphasize the specialized reading skills needed for college, including enriching vocabulary, strengthening comprehension through critical reading, and taking academic tests. Students will learn test-taking strategies for taking standardized tests such as the Scholastic Aptitude Test and for answering essay questions.

Simply Shakespeare 309914CH
Grades: 11 – 12 1/2 unit

Prerequisite: English 2

This course will focus on the four main areas of Shakespeare's works—tragedies, comedies, histories and sonnets. An in-depth study of Shakespeare's life, the history of the Renaissance Period, and theatrical conventions will introduce the course. Students will learn to analyze, interpret, understand, appreciate, and apply the literature in a variety of ways, including, but not limited to, the following: dramatic performances, lectures, discussions, research, creative projects, oral interpretation, analysis, vocabulary study, tests and quizzes.

Speech 304000CH
Grades: 9 – 12 1/2 unit

Prerequisite: None

This course is an introduction to formal speech. Emphasis is placed on speech writing as well as speech delivery. Development of poise and confidence in front of groups will be stressed.

Speech and Multimedia 529901CW
Grades: 10 – 12 1 unit

Prerequisite: Keyboarding

This course is designed to help students organize oral presentations using Multimedia programs such as Power Point. Students will concentrate on stage presences, expression and vocal intonation and inflection, as well as speech.

Survey of African-American Literature 309915CH
Grades: 10 – 12 1/2 unit

Prerequisite: None

African-American Literature acquaints students with the traditions and aesthetic values of literature descended primarily from African culture and literature that reflects the experience in America of people of African descent. A course project is required.

Survey of Radio/TV/Film 1 309941CH
Grades: 11 – 12 1/2 unit

Prerequisite: Teacher recommendation

In this course, students will explore the fundamentals of communicational processes and how they apply to radio, television, and film production. Students will complete major projects in radio, television, and film. Also, students will learn about the various careers in the communications industry.

Survey of Radio/TV/Film 2 309942CH
Grades: 11 – 12 1/2 unit

Prerequisite: Teacher Recommendation

Survey of Radio/TV/Film 2 offers students the chance to expand their

knowledge of these three careers and complete further individual and group projects in these areas. Students will also briefly explore the related careers of public relations, book publishing, comics, film animation, newspaper journalism, magazines, and the music industry.

System 44 379903CW
Grades: 9 - 12 1 unit

Prerequisite: Teacher Recommendation

This semester-long foundational reading course will provide students with opportunities to improve their skills as effective readers. Components include interactive computer-assisted instruction, small group instruction, and independent reading.

Strategies for Reading & Writing 1 309911CW
Grade 11 1 unit

Prerequisite: Teacher Recommendation

Strategies for Reading & Writing 1 focuses on reading and writing objectives. Students will read a variety of texts in order to improve vocabulary and critical reading and thinking skills. Additionally, students will develop their writing skills through writing practice focused on content, organization, voice, and mechanics.

Strategies for Reading & Writing 2 309912CW
Grade 12 1 unit

Prerequisite: Teacher Recommendation

Strategies for Reading & Writing 2 focuses on reading and writing objectives. Students will read a variety of texts in order to improve vocabulary and critical reading and thinking skills. Additionally, students will develop their writing skills through writing practice focused on content, organization, voice, and mechanics.

Strategies for Reading & Writing 1 309911CH
Grades: 11 – 12 1/2 unit

Prerequisite: Teacher Recommendation

Strategies for Reading & Writing 1 (Grades 11-12) focuses on reading and writing objectives. Students will read a variety of texts in order to improve vocabulary and critical reading and thinking skills. Additionally, students will develop their writing skills through writing practice focused on content, organization, voice, and mechanics.

Writing for SAT 1 309902CH
Grade: 1 1/2 unit

Prerequisite: English I

Created for those who will take the SAT I, the course is designed to familiarize students with the writing component of the SAT I. Students will learn the format for constructing the persuasive essay in a limited time frame. Other modes of writing will also be addressed.

Yearbook Production 305400CW
Grades: 11 - 12 1 unit

Prerequisite: Journalism 2

This is an elective course for students who have completed Journalism 2 Yearbook and who show outstanding skills in writing, design, or photography. The program includes staff organization, ad sales, and business management, feature writing, layout and design, photography and the publication process. Students will refine skills as they produce a school yearbook. This course does not take the place of any required English course.

Yearbook Production 2 305600CW
Grades: 11 - 12 1 unit

Prerequisite: Journalism 3 Honors and Instructor approval

This elective course is for students who have mastered the skills taught in Yearbook Production. The program includes experiences in scheduling, planning, leadership, accountability, budgeting, and creating guidelines, as well as writing and editing. Students involved in Yearbook Management will be responsible for seeing that the yearbook is published according to established rules and guidelines. The focus of the course is to offer students exposure to the professional media by an advanced analysis of current trends in professional print, advertising and public relations. This course does not take the place of any required English course.

English Essentials (Elective)

Level I 390R28CW
Level II 390R30CW
Level III 390R32CW
Level IV 390R34CW
Grades: 9-12 1 unit

The purpose of this course is to assist students by enhancing skills in the area of English in order to be successful in the general education class.

ELA Core Seminar I-IV

Grades: 9 - 12 1 unit

Course Number:

Level I	Level II	Level III	Level IV
39022800	39023000	39023200	39023400
39032800	39033000	39033200	39033400
39042800	39043000	39043200	39043400
39052800	39053000	39053200	39053400
39062800	39063000	39063200	39063400
39072800	39073000	39073200	39073400
39122800	39123000	39123200	39123400
39132800	39133000	39133200	39133400
39142800	39143000	39143200	39143400

The purpose of this course is to assist students to develop skills for application to practical real world experiences.

SPECIAL AREAS HIGH SCHOOL

English for Speakers of Other Languages 1 308401CW
Grades: 9 – 12 1 unit

Prerequisite: ACCESS or W-APT scores with teacher recommendation.

This course is designed as an introduction to the English language and culture using the communicative approach to language learning. This support class is designed to provide instruction to non-English Speaking (NES) and Limited English Proficient (LEP) students. The objective is to develop skills in reading, writing, listening and speaking. Emphasis is placed on context-related vocabularies to promote success in all core areas. All ESOL support classes are aligned to the WIDA Standards.

English for Speakers of Other Languages 2 408002CW
Grade: 9-12 1 unit

Prerequisite: ACCESS or W-APT scores with teacher recommendation.

This course is a sequel to English as a Second Language I. Students continue English language acquisition through the use of the communicative approach to language learning. This support class is designed to provide instruction and/or assistance to non-English Speaking (NES) and Limited English Proficient (LEP) students. The objective is to develop skills in reading, writing, listening and speaking. Emphasis is placed on context-related vocabularies to promote success in all core areas. All ESOL support classes are aligned to the WIDA Standards.

English for Speakers of Other Languages 3 408103CW
Grade: 9-12 1 unit

Prerequisite: ACCESS or W-APT scores with teacher recommendation.

In this course, students will continue the study of the English language through the use of the communicative approach to language learning. This support class is designed to provide instruction and/or assistance to non-English Speaking (NES) and Limited English Proficient (LEP) students. The objective is to develop skills in reading, writing, listening and speaking. Emphasis is placed on context-related vocabularies to promote success in all core areas. All ESOL support classes are aligned to the WIDA Standards.

English for Speakers of Other Languages 4 408204CW
Grade: 9-12 1 unit

Prerequisite: ACCESS or W-APT scores with teacher recommendation

In this course, students will continue the study of the English language through the use of the communicative approach to language learning. This support class is designed to provide instruction and/or assistance

to non-English Speaking (NES) and Limited English Proficient (LEP) students. The objective is to develop skills in reading, writing, listening and speaking. Emphasis is placed on contextrelated vocabularies to promote success in all core areas. All ESOL support classes are aligned to the WIDA Standards.

English for Speakers of Other Languages Literacy **308500CW**
Grade: 9-12 **1 unit**

Prerequisite: ACCESS or W-APT scores with teacher recommendation

In this course Students continue English language acquisition through the use of the communicative approach to language learning. This support class is designed to provide instruction and/or assistance to non-English Speaking (NES) and Limited English Proficient (LEP) students. The objective is to develop skills in reading, writing, listening and speaking. Emphasis is placed on contextrelated vocabularies to promote success in all core areas. All ESOL support classes are aligned to the WIDA Standards.

Secondary Literacy **308600CW**
Grade: 9-12 **1 unit**

Prerequisite: ACCESS or W-APT scores with teacher recommendation

In this course Students continue English language acquisition through the use of the communicative approach to language learning. This support class is designed to provide instruction and/or assistance to non-English Speaking (NES) and Limited English Proficient (LEP) students. The objective is to develop skills in reading, writing, listening and speaking. Emphasis is placed on contextrelated vocabularies to promote success in all core areas. All ESOL support classes are aligned to the WIDA Standards.

Secondary Literacy 2

308700CW

Grade: 9-12

1 unit

Prerequisite: ACCESS or W-APT scores with teacher recommendation

In this course Students continue English language acquisition through the use of the communicative approach to language learning. This support class is designed to provide instruction and/or assistance to non-English Speaking (NES) and Limited English Proficient (LEP) students. The objective is to develop skills in reading, writing, listening and speaking. Emphasis is placed on contextrelated vocabularies to promote success in all core areas. All ESOL support classes are aligned to the WIDA Standards.

Secondary Literacy 3

308800CW

Grade: 9-12

1 unit

Prerequisite: ACCESS or W-APT scores with teacher recommendation

In this course Students continue English language acquisition through the use of the communicative approach to language learning. This support class is designed to provide instruction and/or assistance to non-English Speaking (NES) and Limited English Proficient (LEP) students. The objective is to develop skills in reading, writing, listening and speaking. Emphasis is placed on contextrelated vocabularies to promote success in all core areas. All ESOL support classes are aligned to the WIDA Standards.

Recommended: Gifted Pathway - Richland One Math

6th Grade Gifted

Pre-Algebra

7th Grade Gifted

Algebra 1 Honors

8th Grade Gifted

Geometry Honors

9th Grade

Algebra 2 Honors

10th Grade

Pre-Calculus Honors
Algebra 3
AP Statistics
Dual Enrollment Courses

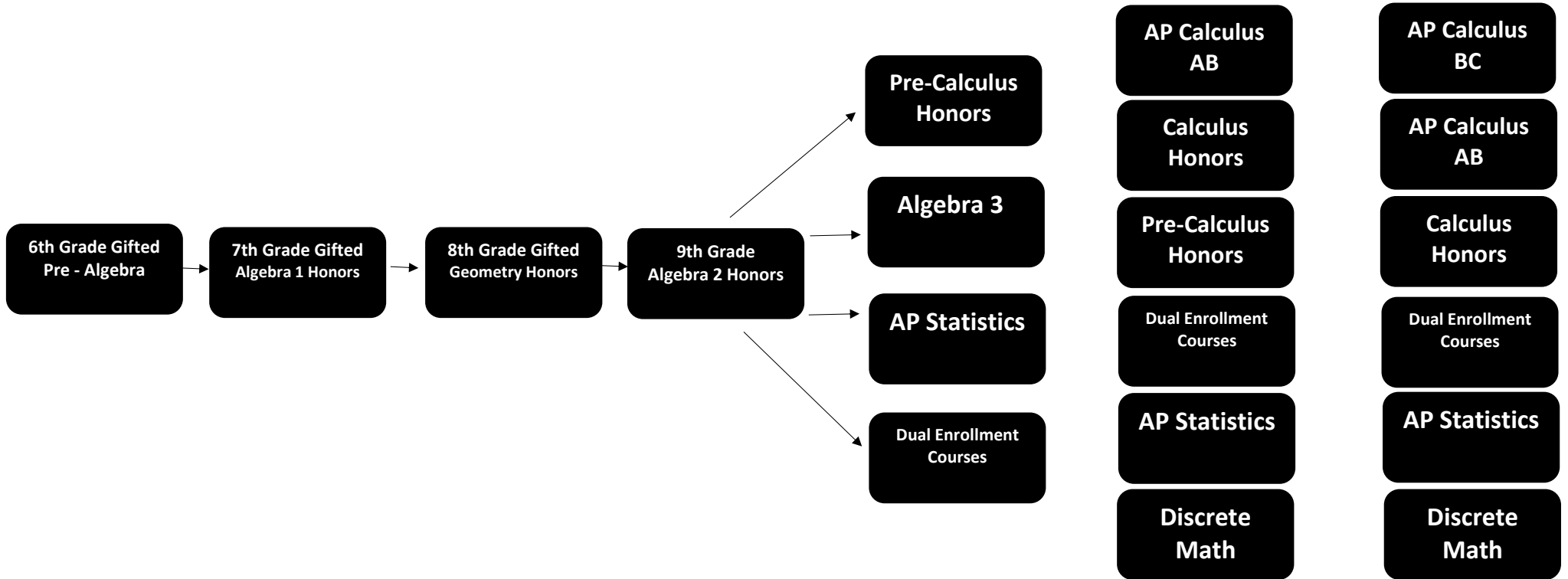
11th Grade

AP Calculus AB
Calculus Honors
Pre-Calculus Honors
AP Statistics
Dual Enrollment Courses
Discrete Mathematics

12th Grade

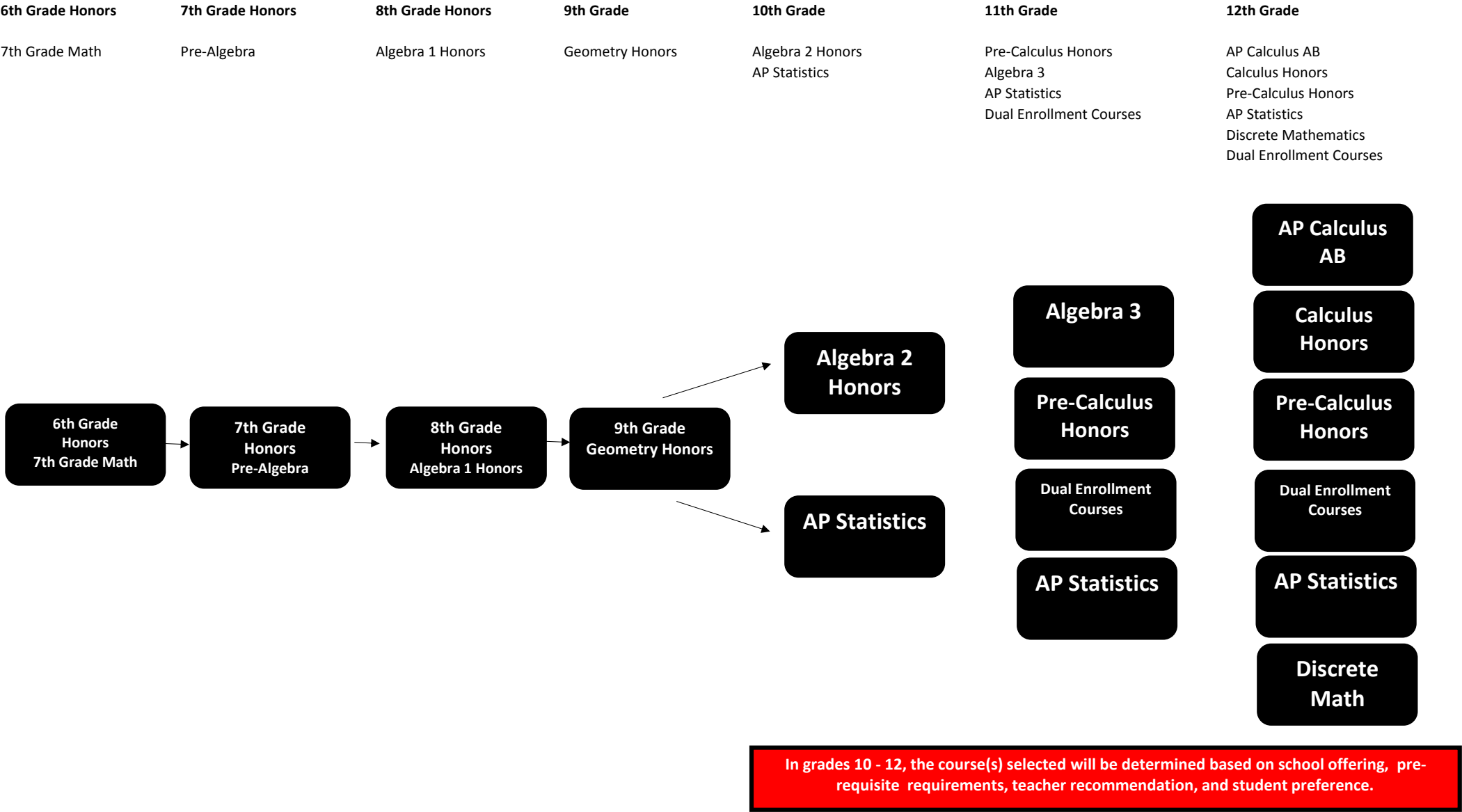
AP Calculus BC
AP Calculus AB
Calculus Honors
AP Statistics
Dual Enrollment Courses
Discrete Mathematics

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In grades 10 - 12, the course(s) selected will be determined based on school offering, pre-requisite requirements, teacher recommendation, and student preference.

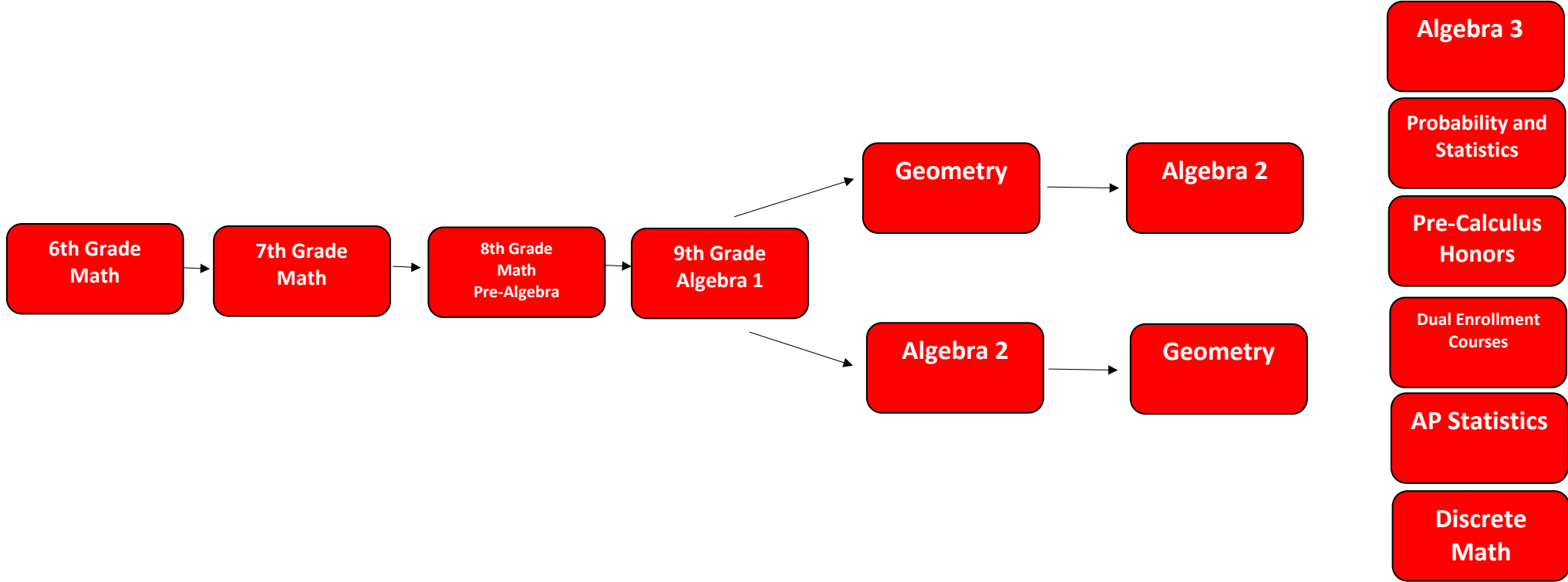
Recommended: Honors Pathway - Richland One Math



Recommended: Traditional Pathway #1 - Richland One Math

6th Grade	7th Grade	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade
6th Grade Math	7th Grade Math	8th Grade Math Pre-Algebra	Algebra 1	Geometry Algebra 2	Algebra 2 Geometry	Algebra 3 Probability and Statistics Pre-Calculus Honors AP Statistics Discrete Mathematics Dual Enrollment Courses

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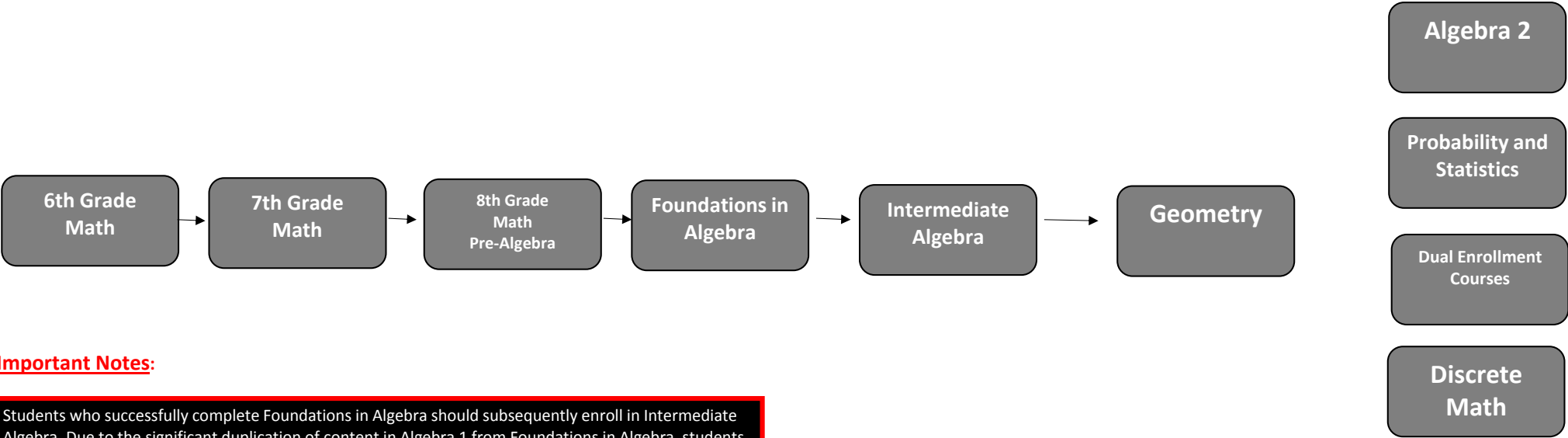
Students must take the state-mandated Algebra 1 End-of-Course assessment (Algebra 1 EOCEP) administered at the completion of Algebra 1.

In grades 10 - 12, the course(s) selected will be determined based on school offering, pre-requisite requirements, teacher recommendation, and student preference.

Traditional Pathway #2 - Richland One Math

6th Grade	7th Grade	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade
6th Grade Math	7th Grade Math	8th Grade Math Pre-Algebra	Foundations in Algebra	Intermediate Algebra	Geometry	Algebra 2 Probability and Statistics Discrete Mathematics Dual Enrollment Courses

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Important Notes:

Students who successfully complete Foundations in Algebra should subsequently enroll in Intermediate Algebra. Due to the significant duplication of content in Algebra 1 from Foundations in Algebra, students **must not** enroll in Algebra 1 after successfully completing Foundations in Algebra.

To meet South Carolina Commission on Higher Education’s college preparatory course prerequisite requirements, college freshmen entering a four-year public institution of higher education **during or after the 2019 – 20** academic school year must successfully complete Algebra 1, Algebra 2, Geometry, and an additional mathematics course above the Algebra 2 level. Foundations in Algebra and Intermediate Algebra may count together as a substitute for Algebra 1 if a student successfully completes Algebra 2. (See www.che.sc.gov for more information.)

Students must take the state-mandated Algebra 1 End-of-Course assessment (Algebra 1 EOCEP) administered at the completion of Intermediate Algebra .

In grade 12, the course(s) selected will be determined based on school offering, pre-requisite requirements, teacher recommendation, and student preference.

MATHEMATICS

Four units of math are required for graduation. Students enrolled in these courses will receive 1 unit towards the 4 required for graduation per course.

Foundations in Algebra

Grade: 9

411600CW

1 unit

Prerequisite: None

This course is designed for students who scored at the "does not meet expectations" or the "approaches expectations" achievement level on the mathematics portion of the 8th grade state assessment. The critical areas taught in this course deepen and extend understanding of linear and exponential relationships by contrasting them with each other and by applying linear models to data that exhibit a linear trend. Students will engage in methods for analyzing, solving, and using quadratic functions. They must also take Intermediate Algebra next year to complete the Algebra standards that will be assessed on the new SC 11th grade assessment. If this course is followed by Algebra 1 instead of Intermediate Algebra, this course will be counted as a general elective and not a math elective required for graduation.

Intermediate Algebra

Grades: 10

411700CW

1 unit

Prerequisite: Foundations in Algebra

This course extends the mathematics students learned in the Foundations in Algebra course to include piecewise, absolute value, logarithmic, and step functions. Students will select from these functions to model phenomena. They will build on their knowledge of rational exponents to see structure in and create polynomial, simple rational and simple radical expressions. Students will also learn to use the method of completing the square to transform any quadratic equation, while also deriving the quadratic formula. Quadratic equations will be solved utilizing multiple methods. Students enrolled in this course will take a South Carolina End-of-Course Exam that will count 20% of their final grade.

Algebra 1

Grades: 9 – 10

411400CW

1 unit

Prerequisite: Mastery of middle level SC state mathematics

This course is designed for students who have completely mastered the middle level SC state math standards and are ready to begin moving into advanced topics. Emphasis is placed on deepening and extending understanding of linear and exponential relationships by contrasting them with each other, to include arithmetic and geometric sequences. Students will engage in methods for analyzing, solving, and using quadratic functions. Other areas of focus will be utilizing rational exponents, systems involving quadratic expressions, using functions to model relationships, interpreting functions, and making judgments about the appropriateness of linear models. Students enrolled in this course will take a South Carolina End-of-Course Exam that will count 20% of their final grade.

Geometry

Grades: 9 – 12

412200CW

1 unit

Prerequisite: Algebra 1 or Foundations in Algebra and Intermediate Algebra

The fundamental purpose of the course is to formalize and extend students' geometric experiences from the middle grades. Students explore more complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments. Transformations are emphasized in this course. Some additional areas of focus will be reasoning to complete geometric constructions, prove theorems - using a variety of formats, apply similarity in right triangles to understand right triangle trigonometry, develop the law of sine and cosine, write the equation of circles, and continue their study of quadratics by connecting the geometric and algebraic definitions of the parabola.

Geometry Honors

Grades: 9 – 12

412200HW

1 unit

Prerequisite: Algebra 1 Honors

Recommended: Grade of 80 or higher in Algebra 1

This course is designed for students who have demonstrated exceptional mathematical capabilities during the study of Algebra 1. This course

facilitates the continuation of work to formalize and extend students' geometric experiences from the middle grades. Students explore more complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments. Transformations are emphasized in this course. Some additional areas of focus will be reasoning to complete geometric constructions, prove theorems - using a variety of formats, apply similarity in right triangles to understand right triangle trigonometry, develop the law of sine and cosine, write the equation of circles, and continue their study of quadratics by connecting the geometric and algebraic definitions of the parabola.

Algebra 2

Grades: 9 – 12

411500CW

1 unit

Prerequisite: Algebra 1 or Foundations in Algebra and Intermediate Algebra

Recommended: Grade of 80 or higher in Algebra 1

This course continues to build on work with linear, quadratic, and exponential functions to include polynomial, rational, and radical functions. Students work closely with expressions that define the functions, and continue to expand and hone their abilities to model situations and to solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms. The critical areas of this course will build on work with trigonometric ratios and circles in Geometry to model periodic phenomena, understand the Fundamental Theorem of Algebra, explore the effects of transformations on graphs of diverse functions, and identify appropriate types of functions to model a situation, and adjust parameters to improve the model.

Algebra 2 Honors

Grades: 9 – 12

411500HW

1 unit

Prerequisite: Algebra 1

Recommended: Grade of 80 or higher in Algebra 1 Honors

Grade of 90 or higher in Algebra 1 with teacher recommendation

This course is designed for students who have demonstrated exceptional mathematical capabilities during the study of Algebra 1 and Geometry. This course facilitates the continuation of work with linear, quadratic, and exponential functions to include polynomial, rational, and radical functions. Students work closely with expressions that define the functions, and continue to expand and hone their abilities to model situations and to solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms. The critical areas of this course will build on work with trigonometric ratios and circles in Geometry to model periodic phenomena, understand the Fundamental Theorem of Algebra, explore the effects of transformations on graphs of diverse functions, and identify appropriate types of functions to model a situation, and adjust parameters to improve the model.

Algebra 3

Grades: 10 – 12

411300CW

1 unit

Prerequisite: Algebra 2

This course is designed for the student who has successfully completed Algebra 2, but is not ready for the academic rigor of Pre-Calculus Honors. The course will review solving equations and inequalities, graphing, factoring, and systems of equations. Course content includes the study of many types of functions: linear, quadratic, polynomial, exponential, logarithmic, rational, radical, and a unit on trigonometry. Students completing this course are prepared for a subsequent study of Pre-Calculus either at the high school or college level.

Pre-Calculus

Grades: 10 – 12

413101CW

1 unit

Prerequisite: Algebra 2, Geometry

Recommended: Grade of 80 or higher in Algebra 2 Honors; Grade of 90 or higher in Algebra 2 with teacher recommendation; Grade of 80 or higher in Algebra 3 with teacher recommendation

This course is designed for students who plan to take AP Calculus. Course content includes a study of the following functions: trigonometric, polynomial, exponential, logarithmic, rational, radical, and other primary functions. Sequences and series, topics in analytical geometry, polar coordinates, vectors, and parametric equations are included in the course content. Access to a graphing calculator is needed outside the classroom.

Pre-Calculus Honors **413101HW**
Grades: 10 – 12 **1 unit**

Prerequisite: Algebra 2, Geometry

Recommended: Grade of 80 or higher in Algebra 2 Honors; Grade of 90 or higher in Algebra 2 with teacher recommendation; Grade of 80 or higher in Algebra 3 with teacher recommendation

This course is designed for students who plan to take AP Calculus. Course content includes a study of the following functions: trigonometric, polynomial, exponential, logarithmic, rational, radical, and other primary functions. Sequences and series, topics in analytical geometry, polar coordinates, vectors, and parametric equations are included in the course content. Access to a graphing calculator is needed outside the classroom.

Probability and Statistics **414100CW**
Grades 10-12 **1 unit**

Prerequisite: Algebra 1

This course includes the study of up-to-date statistical topics and techniques needed to understand consumer-oriented statistics encountered routinely in newspapers and other media. Students engage in the collection, organization, display, analysis and interpretation of data. Students will use graphing calculators and/or computer software as tools for solving problems.

Discrete Mathematics **414200CW**
Grades: 11 – 12 **1 unit**

Prerequisite: Algebra 2, Geometry

Recommended: Grade of 70 or higher in prerequisite courses

This course includes the study of mathematical properties of sets and systems that have a finite number of elements. The topics include set theory, logic, graph theory, numeration systems and number theory, modeling, consumer mathematics, descriptive statistics, and apportionment (fairness, voting methods). Students will use graphing calculators and/or computer software as tools for solving problems.

Advanced Placement Statistics **417100AW**
Grades: 10 – 12 **1 unit**

Prerequisite: Algebra 2

Recommended: Exceptional reading comprehension and writing abilities
Statistics connects mathematics with students' world and with other subjects. This course reflects the methodologies supporting the new curriculum goals. Students enrolled in Statistics will be prepared for topics covered in many college-level courses as well as the world of work. Technology is required to facilitate learning and to help develop students' quantitative reasoning and problem-solving skills; the purpose of Statistics is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: (1) exploring data, (2) planning a study, (3) anticipating patterns and (4) statistical inference; long and short term projects are required of all students enrolled in this course. All students must take the College Board AP Statistics examination.

Calculus **413500CW**
Grades 11-12 **1 unit**

Prerequisite: Pre-Calculus

Recommended: Grade of 70 or higher in Pre-Calculus Honors; Grade of 80 or higher in Algebra 3 with teacher recommendation

This course is designed to introduce students to basic calculus topics and applications. It is intended for students who plan to pursue a degree at a four-year or two-year college or university that requires the successful completion of a calculus course. Topics introduced in Pre-Calculus are reviewed and extended. Additional topics include limits, derivatives and simple integration techniques with their applications for problem solving. Access to a graphing calculator is needed outside the classroom.

Calculus Honors **413500HW**
Grades 11-12 **1 unit**

Prerequisite: Pre-Calculus Honors or Algebra 3 with teacher recommendation

Recommended: Grade of 70 or higher in Pre-Calculus Honors
Grade of 90 or higher in Algebra III with teacher recommendation
This course is designed to introduce students to basic calculus topics and applications. It is intended for students who plan to pursue a degree at

a four-year or two-year college or university that requires the successful completion of a calculus course. Topics introduced in Pre-Calculus are extended. Additional topics include limits, derivatives and simple integration techniques with their applications for problem solving. Access to a graphing calculator is needed outside the classroom.

Advanced Placement Calculus (AB) **417000AW**
Grade: 11-12 **1 unit**

Prerequisite: Pre-Calculus Honors

Calculus AB consists of a full academic year of work in Calculus and related topics comparable to courses in colleges and universities and is intended for students who have a thorough knowledge of college preparatory mathematics. It is a course in introductory calculus with elementary functions. The idea of limit is introduced. Derivatives of algebraic, trigonometric, logarithmic, and exponential functions are considered with the applications that follow. Also involved is basic coverage of integration, the fundamental theorem of integral calculus, computation of area under the curve, and other application techniques. Students will be required to use a graphing calculator to produce the graph of a function within an arbitrary viewing window, find the zeros of a function, compute the derivative of a function numerically, and compute definite integrals numerically. Students are required to take the Advanced Placement Examination.

Advanced Placement Calculus (BC) **417200AW**
Grade: 12 **1 unit**

Prerequisite: Pre-Calculus Honors

Calculus BC is an intensive course in the calculus of functions of a single variable and provides a rigorous curriculum for motivated and talented students. The course requires analytic reasoning skills and disciplined study habits. The topics covered include a review of all AB topics; integration techniques and applications; infinite series, parametric and polar equations, and vectors. Students are expected to use a graphing calculator throughout the course. This course represents college-bound mathematics for which most colleges grant advanced placement and credit. The content of AP Calculus BC is designed to qualify the student for placement and credit one semester beyond that granted for AP Calculus AB. Students are required to take the Advanced Placement Examination.

DUAL CREDIT MATHEMATICS COURSES

Students enrolled in these courses will receive 1 unit towards the 4 required for graduation in mathematics and 3 hours of college credit per course.

MAT 110 – College Algebra **413300EW**
Grades: 11 – 12 **1 unit and 3 hours college credit**

Prerequisite: Grade of 80 or above in Algebra 2

This course includes the following topics: polynomial, rational, logarithmic and exponential functions; inequalities; systems of equations and inequalities; matrices; determinants; simple linear programming; solutions of higher degree polynomials; combinatorial algebra; including the binomial theorem; and introduction to probability. (Graphing calculator required)

MAT 111 – College Trigonometry **413400EW**
Grades: 11 – 12 **1 unit and 3 hours college credit**

Prerequisite: MAT 110 (Tech) MAT 111 (USC)– College Algebra

This course includes the following topics: circular functions; trigonometric identities; solution of right and oblique triangles; solution of trigonometric equations, polar coordinates, complex numbers, including DeMoivre's Theorem; vectors, conic sections, sequences; and series. (Graphing calculator required)

MAT 140 – Analytical Geometry and Calculus I **413600EW**
Grades: 11 – 12 **1 unit and 3 hours college credit**

Prerequisite: MAT 110 (Tech) MAT 111 (USC) – College Algebra and MAT 111 – College Trigonometry

This course includes the following topics: derivatives and integrals of polynomials; rational, logarithmic, exponential, trigonometric, and inverse trigonometric functions; curve sketching; maxima and minima of functions; related rates; work; and analytic geometry. (Graphing calculator required)

MATHEMATICS ELECTIVES

Students enrolled in these courses WILL NOT receive 1 unit towards the 4 required for graduation in mathematics.

Mathematics Seminar I 319941CW
Grade: 9 1 unit

Prerequisite: None

This companion course may be utilized along with the Foundation in Algebra course.

Mathematics Seminar II 319942CW
Grade: 10 1 unit

Prerequisite: None

This companion course may be utilized along with the Intermediate Algebra course.

Strategies for Mathematics I 319912CW, 1 unit
Grade: 9-10

Prerequisite: None

This course is designed to help students meet the state standard on the Algebra I End-of- Course Exam.

Strategies for Mathematics II 319903CW
Grade: 10-11 1 unit

Prerequisite: None

This course is designed to help students meet the state standards on the ACT Workkeys.

AP Mathematics Calculus (AB) Preparation Lab Honors 314900HW
Grade: 11-12 1 unit

Prerequisite: Concurrent enrollment in AP Calculus AB

This course is designed to allow students an opportunity to expand their laboratory experiences in conjunction with AP Calculus AB. Students will be required to complete specific laboratory projects.

AP Mathematics Calculus (BC) Preparation Lab Honors 314901HW
Grade: 12 1 unit

Prerequisite: Concurrent enrollment in AP Calculus BC

This course is designed to allow students an opportunity to expand their laboratory experiences in conjunction with the AP Calculus BC. Students will be required to complete specific laboratory projects.

AP Statistics Preparation 314902HW
Grades: 10 – 12 1 unit

Prerequisite: Concurrent enrollment in AP Statistics

This course is designed to allow students an opportunity to expand their

laboratory experiences in conjunction with AP Statistics. Students will be required to complete specific laboratory projects.

Mathematics Essentials (Elective)

Grades: 9 – 12

1 unit

Course Number:

Level I 390R38CW

Level II 390R40CW

Level III 390R42CW

Level IV 390R44CW

The purpose of this course is to assist students by enhancing skills in the area of mathematics in order to be successful in the general education class.

Core Mathematics I-IV

Grades: 9 -12

1 unit

Course Numbers:

Level I	Level II	Level III	Level IV
39023601	39023801	39024001	39024201
39033601	39033801	39034001	39034201
39043601	39043801	39044001	39044201
39053601	39053801	39054001	39054201
39063601	39063801	39064001	39064201
39073601	39073801	39074001	39074201
39123601	39123801	39124001	39124201
39133601	39133801	39134001	39134201
39143601	39143801	39144001	39144201

The purpose of this course is to enhance skills in mathematics for employability.

Math Core Seminar I-IV

Grades: 9 - 12

1 unit

Course Numbers:

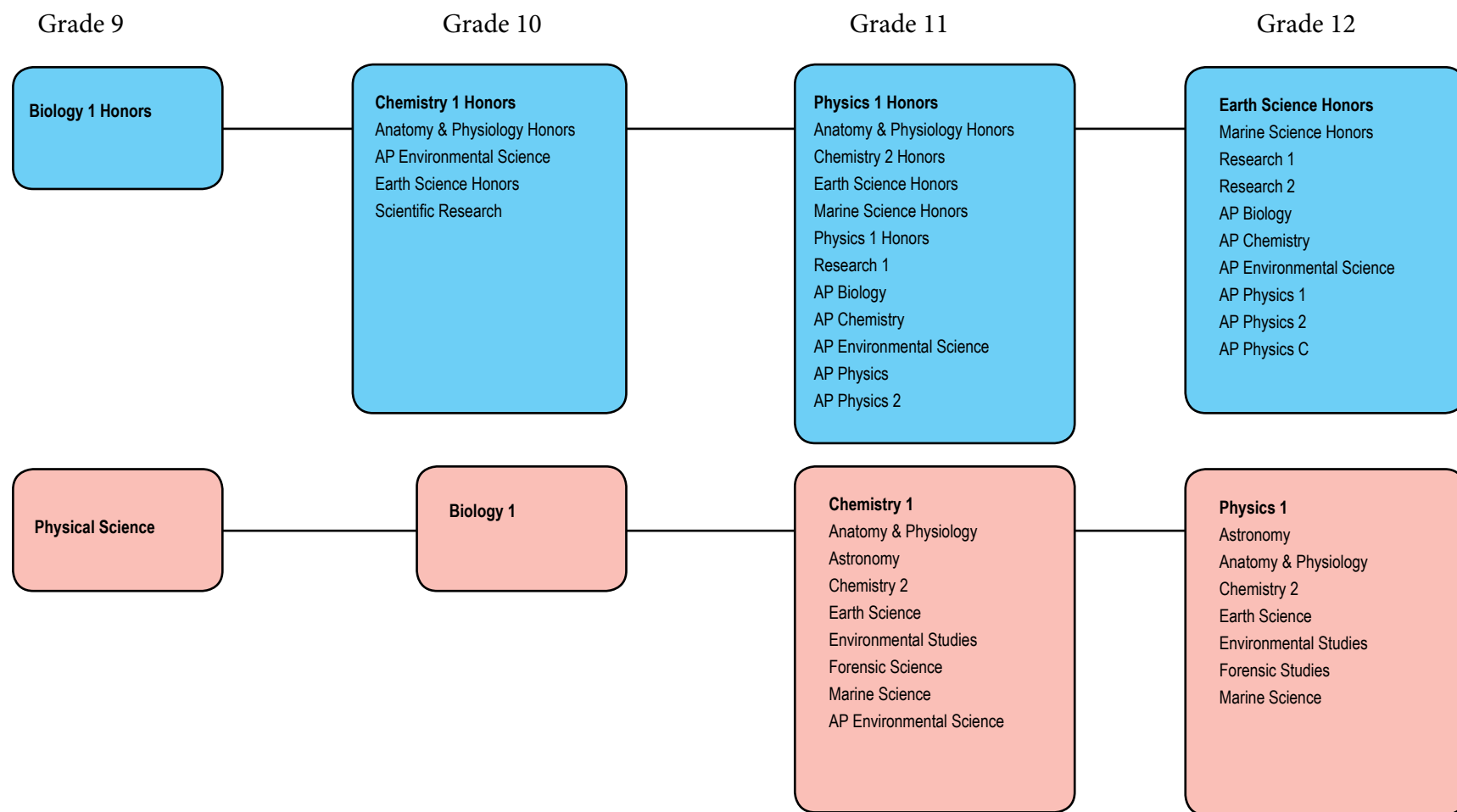
Level I	Level II	Level III	Level IV
39022801	39023001	39023201	39023401
39032801	39033001	39033201	39033401
39042801	39043001	39043201	39043401
39052801	39053001	39053201	39053401
39062801	39063001	39063201	39063401
39072801	39073001	39073201	39073401
39122801	39123001	39123201	39123401
39132801	39133001	39133201	39133401
39142801	39143001	39143201	39143401

The purpose of this course is to assist students to develop skills for application to practical real world experiences.

Science Progression Chart

Recommended Core Science Course Sequence in Bold.

Check college web sites for Science course requirements.



- A South Carolina End of Course Evaluation Program test in biology will be administered based on SC Science Standards. In order to receive a South Carolina High School Diploma, students must pass Biology.
- Students may take any course listed under the bold course if the pre-requisites have been met
- The South Carolina Commission on Higher Education requires the students receive three laboratory science credits for admission to a four-year college or university. Courses in general or introductory science (i.e. physical science, astronomy) for which one of those four units is not a prerequisite will not meet this requirement.
- Students may enroll in more than one science course per semester/academic year.

SCIENCE

Three units of Science are required for high school graduation. Four units are highly recommended. Most four year colleges require three to four lab sciences.

Biology 1 **322100CW**
Grades: 9 – 10 **1 unit**

Prerequisite: None

This course is designed to engage students in the scientific and engineering practices, problem solving, decision making, critical thinking, and applied learning in order to demonstrate knowledge and understanding of the following cellular biology and ecological concepts: essential functions of life take place within cells or systems of cells, essential processes within organisms require energy which in most ecosystems is ultimately derived from the Sun and transferred into chemical energy by the photosynthetic organisms of that ecosystem, specific mechanisms by which characteristics or traits are transferred from one generation to the next via genes, the complexity of ecosystems and the interactive systems that include both biological communities and physical components of the environment, and biological evolution and diversity of life.

Biology 1 Honors **322100HW**
Grades: 9 – 10 **1 unit**

Prerequisite: None

This course is designed to engage students in the scientific and engineering practices, problem solving, decision making, critical thinking, and applied learning in order to demonstrate knowledge and understanding of the following cellular biology and ecological concepts: essential functions of life take place within cells or systems of cells, essential processes within organisms require energy which in most ecosystems is ultimately derived from the Sun and transferred into chemical energy by the photosynthetic organisms of that ecosystem, specific mechanisms by which characteristics or traits are transferred from one generation to the next via genes, the complexity of ecosystems and the interactive systems that include both biological communities and physical components of the environment, and biological evolution and diversity of life. This course is designed to accelerate and enrich the core curriculum by differentiating the content, process, pace and work completed by the student. Students who successfully complete the more rigorous work and pace will earn a weighted credit.

Chemistry 1 **323100CW**
Grades: 10 – 12 **1 unit**

Prerequisite: Biology 1

This course is designed to engage students in the scientific and engineering practices, problem solving, decision making, critical thinking, and applied learning in order to demonstrate knowledge and understanding of: atomic structure and nuclear processes, structures and classification of chemical compounds, structure and behavior of the different states of matter, nature and properties of various types of chemical solutions, types, the causes, and the effects of chemical reactions, and the conservation of energy and energy transfer.

Chemistry 1 Honors **323100HW**
Grades: 10 – 12 **1 unit**

Prerequisite: Biology 1

This course is designed to engage students in the scientific and engineering practices, problem solving, decision making, critical thinking, and applied learning in order to demonstrate knowledge and understanding of: atomic structure and nuclear processes, structures and classification of chemical compounds, structure and behavior of the different states of matter, nature and properties of various types of chemical solutions, types, the causes, and the effects of chemical reactions, and the conservation of energy and energy transfer. This course is designed to accelerate the enrich core curriculum by differentiating the content, process, pace and work completed by the student. Students who successfully complete the more rigorous work and pace will earn a weighted credit.

Earth Science **326500CW**
Grades: 11 – 12 **1 unit**

Prerequisite: Biology 1, Chemistry

This course is designed to engage students in the scientific and engineering practices, problem solving, decision making, critical thinking, and applied

learning in order to demonstrate knowledge and understanding of: the structure, properties, and history of the observable universe, internal and external dynamics of Earth's geosphere, the dynamic relationship between Earth's conditions over geologic time and the diversity of organisms, dynamics of Earth's atmosphere, and Earth's freshwater and ocean systems.

Earth Science Honors **326500HW**
Grades: 11– 12 **1 unit**

Prerequisite: Biology 1, Chemistry 1

This course is designed to engage students in the scientific and engineering practices, problem solving, decision making, critical thinking, and applied learning in order to demonstrate knowledge and understanding of: the structure, properties, and history of the observable universe, internal and external dynamics of Earth's geosphere, the dynamic relationship between Earth's conditions over geologic time and the diversity of organisms, dynamics of Earth's atmosphere, and Earth's freshwater and ocean systems. This course is designed to accelerate and enrich the core curriculum requiring higher-order thinking exercise including a research or a science project. Students who successfully complete the more rigorous work and pace will earn a weighted credit.

Physics **324100CW**
Grades: 11 – 12 **1 unit**

Prerequisite: Chemistry 1

This course is designed to engage students in the scientific and engineering practices, problem solving, decision making, critical thinking, and applied learning in order to demonstrate knowledge and understanding of: how the interactions among objects and their subsequent motion can be explained and predicted using the concept of forces and how the interactions among objects can be explained and predicted using the concept of the conservation of energy.

Physics Honors **324100HW**
Grades: 11 – 12 **1 unit**

Prerequisite: Chemistry 1, Pre-Calculus or currently enrolled in Pre-Calculus and/or science teacher recommendation

This course is designed to engage students in the scientific and engineering practices, problem solving, decision making, critical thinking, and applied learning in order to demonstrate knowledge and understanding of: how the interactions among objects and their subsequent motion can be explained and predicted using the concept of forces and how the interactions among objects can be explained and predicted using the concept of the conservation of energy. This course is designed to accelerate and enrich the core curriculum by differentiating the content, process, pace and work completed by the students. Students who successfully complete the more rigorous work and pace will earn a weighted credit.

SCIENCE ELECTIVES

Physical Science **321100CW**
Grades: 9 – 10 **1 unit**

Prerequisite: None

This course is designed to give students an understanding of the fundamental concepts in physical science. Students in this course are expected to demonstrate knowledge of the physical science principles to include structure of atoms, structure and properties of matter, chemical reactions, motion and forces, conservation of energy and interactions or energy and matter; Topics are incorporated in both classroom and laboratory minds-on and hands-on activities. Science concepts, science process skills, science and technology and the nature of science are infused into the activities.

Physical Science Honors **321160HW**
Grades: 9 – 10 **1 unit**

Prerequisite: None

This course is designed to give students an understanding of the fundamental concepts in physical science. Students in this course are expected to demonstrate knowledge of the physical science principles to include structure of atoms, structure and properties of matter, chemical reactions, motion and forces, conservation of energy and interactions or energy and matter; Topics are incorporated in both classroom and laboratory minds-on and hands-on activities. Science concepts, science

process skills, science and technology and the nature of science are infused into the activities. This Honors curriculum is designed to accelerate and enrich the core curriculum requiring higher order thinking exercises including a research or a science project. This is not a lab science course.

Biology 2 **322200CW**
Grades: 11 – 12 **1 unit**

Prerequisite: Biology 1

This course is designed for students who have completed Biology 1, plan to take biology courses in college, or plan to enter the Advanced Placement Biology program. The course will stress science as a process, molecules and cells, heredity and evolution, organisms and populations and interdependence in nature. This course is taught as a rigorous, introductory college level course.

Biology 2 Honors **322200HW**
Grades: 11 – 12 **1 unit**

Prerequisite: Biology 1

This course is designed for students who have completed Biology 1, plan to take biology courses in college, or plan to enter the Advanced Placement Biology program. The course will stress science as a process, molecules and cells, heredity and evolution, organisms and populations and interdependence in nature. Students will be required to complete an extensive lab program. This course is taught as a rigorous, introductory college level course.

Advanced Placement Biology **327200AW**
Grades: 11 – 12 **1 unit**

Prerequisite: "C" or above in Biology 1, Chemistry 1 and Science teacher recommendation

This course is designed to be the equivalent of a college general biology course. Three areas of the biological sciences will be addressed: the molecular and cellular, the organism, and the population. Extensive laboratory work will be an important part of the course with reports done in great detail. The course will be designed to follow the AP guidelines for biology. Students will be required to take the College Board Advance Placement Exam for biology.

AP Biology Preparation Lab Honors **328901HW**
Grades: 11 – 12 **1 unit**

Prerequisite: Concurrent enrollment in AP Biology

This course is designed to allow students an opportunity to expand their laboratory experiences in conjunction with AP Biology. Students will be required to complete specific reading and laboratory projects.

BIO 101 – Biological Science 1 **322800EW**
Grades: 11 – 12 **1 unit**

3 hours college credit

Prerequisite: RDG 100 – College Reading or ESL 100 – Reading in English as a Second Language

This course is a study of the scientific method, basic biochemistry, cell structure and function, cell physiology, cell reproduction and development, Mendelian genetics, population genetics, natural selection, evolution and ecology.

BIO 102 – Biological Science 2 **322900EW**
Grades: 11 – 12 **1 unit**

3 hours college credit

Prerequisite: BIO 101 – Biological Science 1

This course is a study of the classification of organisms and structural and functional considerations of all kingdoms (particularly major phyla as well as viruses). Vertebrate animals and vascular plants are emphasized.

Chemistry 2 **323200CW**
Grades: 11 – 12 **1 unit**

Prerequisite: Chemistry 1, concurrent enrollment in Pre-Calculus and/or teacher recommendation

This course is designed for students who have completed Chemistry 1, plan to take chemistry courses in college, or plan to enter the Advanced Placement Chemistry program. Stress will be placed on problem solving in the areas of equilibrium, acid-base chemistry, bonding, electrochemistry and thermodynamics.

Chemistry 2 Honors **323200HW**
Grades: 11 – 12 **1 unit**

Prerequisite: Chemistry 1, concurrent enrollment in Pre-Calculus and/or teacher recommendation

This course is designed for students who have completed Chemistry 1, plan to take chemistry courses in college, or plan to enter the Advanced Placement Chemistry program. Stress will be placed on problem solving in the areas of equilibrium, acid-base chemistry, bonding, electrochemistry and thermodynamics. Students also will be required to complete an extensive lab program of equations inequalities, polynomials, graphing, quadratics, and statistics. The curriculum is designed to accelerate the enrich core curriculum by differentiating the content, process, pace and work completed by the student. Students who successfully complete the more rigorous work and pace will earn a weighted credit.

Advanced Placement Chemistry **327300AW**
Grades: 11 – 12 **1 unit**

Prerequisite: "C" or above in Chemistry 1 Honors or "B" or above in Chemistry 1 and Science teacher recommendation

This course is designed to be the equivalent of a college level general chemistry course. Laboratory experiments will require the students to make observations, record data, calculate and interpret results based on data. General topics covered will be: atomic structure, bonding, chemical equilibrium, 46 kinetics and thermodynamics. Students will be required to take the College Board Advanced Placement Examination for chemistry.

AP Chemistry Preparation Lab Honors **328900HW**
Grades: 11 – 12 **1 unit**

Prerequisite: Concurrent enrollment in AP Chemistry

This course is designed for the extension of concepts studied in AP Chemistry, along with completion of designated AP Labs and additional problem solving. AP Seminar does not carry weighted credit. It is recommended that AP Seminar be taken simultaneously with AP Chemistry.

CHM 101 – General Chemistry 1 **323900EW**
Grades: 11 – 12 **1 unit**

3 hours college credit

Prerequisite: MAT 101 – Beginning Algebra

This is the first of a sequence of courses in fundamental principles of chemistry. Topics include atomic and molecular structure, nomenclature, formulas and equations, common substances and reactions, stoichiometry, states of matter, solutions, and equilibria.

Advanced Placement Environmental Science **327700AW**
Grades: 10 - 12 **1 unit**

Prerequisite: 2 years of high school laboratory science and at least one year of Algebra

The goal of the AP Environment Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them.

Advanced Placement Physics 1 **328200AW**
Grades 11-12 **1 unit**

Prerequisite: Pre-calculus (completed or concurrently enrolled)

AP Physics 1 provides a systematic approach to scientific modeling, use of mathematics for problem solving, scientific investigations, data collection and analysis, ability to work with theories, and an understanding of the knowledge of various scales. The course is equivalent to a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; and mechanical waves and sound. It will also introduce electric circuits. Learning strategies include drills in methods of problem solving, demonstrations, and a variety of open-ended laboratory activities. The course is focused on a series of learning objectives that clarify the knowledge and skills students should demonstrate to qualify for college credit and placement. Each learning objective combines physics content with foundational science practices. Students enrolled in the course are required to take the AP Exam.

Advanced Placement Physics 2 Grades 11-12 Prerequisite: Pre-calculus AP Physics 2 is algebra based and is equivalent to a second-semester college course in algebra based physics. The course covers fluid mechanics; thermodynamics; electricity and magnetism; optics; and atomic and nuclear physics. Learning strategies include drills in methods of problem solving, demonstrations, and a variety of open-ended laboratory activities. The course is focused on a series of learning objectives that clarify the knowledge and skills students should demonstrate to qualify for college credit and placement. Each learning objective combines physics content with foundational science practices. Students enrolled in the course are required to take the AP Exam.	328300AW 1 unit	Marine Science Honors Grades: 11-12 Prerequisite: Biology 1 and Chemistry 1 This environmental lab science course is designed to meet the needs of students who show an interest in obtaining in-depth awareness of coastal and marine systems. Lab, classwork, and independent research are required for an in-depth study of: Land; marine and coastal ecosystems; plant and animal life; and ecological principles. The course integrates current events and topics in marine science with textbook information. Required dissections of marine organisms enhance the study of these unique animals. HONORS Extension: The content focus of this course is consistent with Marine Science CP. Students will explore these concepts in greater depth. In general, academic pace and rigor will be 47 greatly increased for the honors level course work. Laboratory investigations in the classroom should help all students develop a growing understanding of the complexity and ambiguity of empirical work.	322520HW 1 unit																																												
AP Physics C-Electricity and Magnetism Grades: 11 – 12 Prerequisite: “C” or above in Physics 1 Honors, Calculus or current enrollment in AP Physics C – Mechanics AP Physics AP Physics C forms the first part of the college course sequence that serves as a foundation in Physics for students majoring in the Physical Sciences or Engineering. Methods of Calculus are used whenever appropriate in formulating physical principles and applying them to physical problems. The sequence is more intensive and analytical than that in Physics B. Students principally study mechanics, electricity, and magnetism with equal emphasis on these areas. Students will be expected to take the College Board Advanced Placement Exam.	327600AW 1 unit	Anatomy and Physiology Grades: 11 – 12 Prerequisite: Biology 1 This course is designed to give students an understanding of some of the major concepts of the human body and function. This course will involve extensive laboratory work dealing with the human body. Some of the areas of discussion will be the structure and function of the cells, tissues, organs and organ systems of the body.	326300CW 1 unit																																												
AP Physics C-Mechanics Grades: 11 – 12 Prerequisite: “C” or above in Physics 1 Honors, Calculus or current enrollment AP Physics C – Electricity and Magnetism This course is combined with Physics C - Electricity and Magnetism and meets each day throughout the school year and counts as 2 credits. It includes AP Physics C topics plus additional content combines with AP Physics C - Electricity and Magnetism. These courses will offer 8 PACE hours.	327568HW 1 unit	Anatomy and Physiology Honors Grades: 11 – 12 Prerequisite: Biology 1 This course is designed to give students an understanding of some of the major concepts of the human body and function. This course will involve extensive laboratory work dealing with the human body. Some of the areas of discussion will be the structure and function of the cells, tissues, organs and organ systems of the body. The curriculum provides extended enrichment by differentiating the content process, pace and work completed by the students.	326300HW 1 unit																																												
Astronomy Grades: 11 – 12 Prerequisite: Algebra 1 and Geometry The course will look at the solar system and existing planets. Kepler’s and Newton’s laws will be studied. Satellite motion and space exploration will be examined. Some basic mathematics will be required. Lab work will be conducted.	325100CW 1 unit	Environmental Studies Grades: 11 – 12 Prerequisite: 2 units of science This course is designed to help students develop an awareness of the environment. It will deal with man’s interrelationship to the total environment, both natural and man-made, and his responsibilities to it.	326100CH 1/2 unit																																												
Scientific Research (Honors) Grade: 10-12 Prerequisite: Biology I (Honors) Research offers high school students who have demonstrated aptitude in traditional science courses the unique opportunity to explore the scientific process in depth as they conduct an independent research project. The student will: search the technical literature using electronic databases available at USC’s Thomas Cooper Library; write a scientific research proposal in which he/ she demonstrates the ability to identify and develop appropriate questions for research; design and conduct a detailed and sophisticated scientific experiment; critique scientific papers published in the chosen study area; use statistical inference to analyze scientific data; organize scientific results graphically in a form suitable for presentation at a professional meeting; write a formal research paper in format suitable for publication; and present a formal research paper at professional scientific meeting.	329900HW 1 unit	Marine Biology Grades: 11 – 12 Prerequisite: 2 units of science This course gives students an understanding of the diversity of life in the ocean, of the interrelations of organisms in the ocean, and of the importance of the ocean to present and future life on earth. Dissections, movies, field trips, marine aquaria are used in the class.	322500CH 1/2 unit																																												
Marine Science Grades: 11-12 Prerequisite: Biology 1 and Chemistry 1 This environmental lab science course is designed to meet the needs of students who show an interest in obtaining in-depth awareness of coastal and marine systems. Lab, classwork, and independent research are required for an in-depth study of: Land; marine and coastal ecosystems; plant and animal life; and ecological principles. The course integrates current events and topics in marine science with textbook information. Required dissections of marine organisms enhance the study of these unique animals.	322510CW 1 unit	Forensic Science Grades: 11 – 12 Prerequisite: Biology 1 and Chemistry 1 Forensic Science is an intense application of knowledge and skills acquired in Biology and Chemistry courses. Following a brief introduction to criminal law, students use measurement, chemical analysis, and other laboratory techniques to study the types of physical evidence, as well as the crime scene as a whole. The class format includes lectures, laboratory investigations and mandatory participation in a mock crime scene.	324500CW 1 unit																																												
<table><tr><td colspan="2">Science I-IV Grades: 9 - 12 Course Number:</td><td colspan="2">1 unit</td></tr><tr><td>Level I</td><td>Level II</td><td>Level III</td><td>Level IV</td></tr><tr><td>39024402</td><td>39024602</td><td>39024802</td><td>39025002</td></tr><tr><td>39034402</td><td>39034602</td><td>39034802</td><td>39035002</td></tr><tr><td>39044402</td><td>39044602</td><td>39044802</td><td>39045002</td></tr><tr><td>39054402</td><td>39054602</td><td>39054802</td><td>39055002</td></tr><tr><td>39064402</td><td>39064602</td><td>39064802</td><td>39065002</td></tr><tr><td>39074402</td><td>39074602</td><td>39074802</td><td>39075002</td></tr><tr><td>39124402</td><td>39124602</td><td>39124802</td><td>39125002</td></tr><tr><td>39134402</td><td>39134602</td><td>39134802</td><td>39135002</td></tr><tr><td>39144402</td><td>39144602</td><td>39144802</td><td>39145002</td></tr></table> <p>The course is designed to give students an understanding of the fundamental concepts in physical science.</p>				Science I-IV Grades: 9 - 12 Course Number:		1 unit		Level I	Level II	Level III	Level IV	39024402	39024602	39024802	39025002	39034402	39034602	39034802	39035002	39044402	39044602	39044802	39045002	39054402	39054602	39054802	39055002	39064402	39064602	39064802	39065002	39074402	39074602	39074802	39075002	39124402	39124602	39124802	39125002	39134402	39134602	39134802	39135002	39144402	39144602	39144802	39145002
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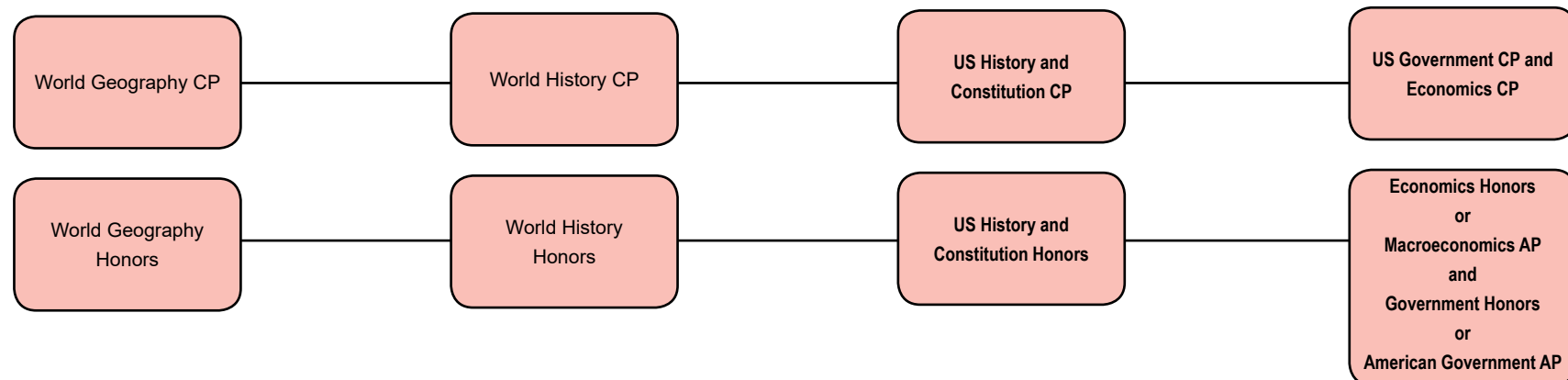
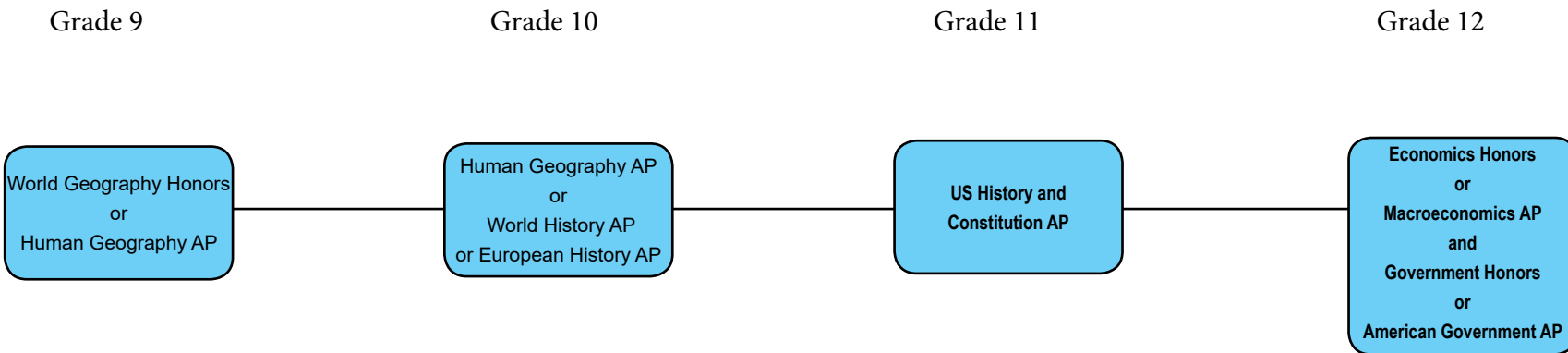
Social Studies Progression Chart

Recommended Core Social Studies Course Sequence

(Students may opt into Honors or Advanced Placement course at any time during their high school career.)

Please see course description for prerequisites.

Check college web sites for Social Studies course requirements for the colleges of your choice.



SOCIAL STUDIES

One unit of American history, one half unit of government, one half unit of economics, and one additional unit of social studies are required in the diploma program. Four units are highly recommended. After the completion of certain courses in this section, students can earn credits through the work-based program. Work based numbers for these courses are listed at the end of this section. Students can seek approval and assistance with this program from their counselor.

World Geography **331000CW**
Grades: 9 - 10 **1 unit**

Prerequisite: None

This course is designated as a social studies elective.

The focus of World Geography is the physical and cultural characteristics of Earth. The course is organized systematically around the topics of region, physical earth dynamics, population, culture, economic systems, urban systems, political systems, and the environment. The course standards are not meant to be taught in order or in isolation. Conceptual in nature rather than place-specific, the course is taught from a regional perspective. Critical thinking should be emphasized in this course, with stress placed on the development of spatial thinking skills and competency related to the five themes of geography: location, place, regions, movement, and human-environment interaction.

World Geography Honors **331000HW**
Grades: 9 - 10 **1 unit**

Prerequisite: None

This course is designated as a social studies elective

This course is designed to accelerate and enrich the core curriculum by differentiating the content, process, pace and work completed by the student. The focus of World Geography is the physical and cultural characteristics of Earth. The course is organized systematically around the topics of region, physical earth dynamics, population, culture, economic systems, urban systems, political systems, and the environment. The course standards are not meant to be taught in order or in isolation. Critical thinking should be emphasized in this course, with stress placed on the development of spatial thinking skills and competency related to the five themes of geography: location, place, regions, movement, and human-environment interaction.

Law Related Education **333600CW**
Grades: 9 - 12 **1 unit**

Prerequisite: None

This course is designated as a social studies elective

This course offers a practical approach to law-related education. In an effort to educate students about law that is useful in everyday life, the course begins with an overview of the legal system then explores general problems in the areas of criminal, tort, and individual rights laws. The second part of this course focuses on consumer, family, and housing law.

AP Human Geography **337900AW**
Grades: 9 - 12 **1 unit**

Prerequisite: Teacher Recommendation

This rigorous course is designed to explore the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to analyze human social organization and its environmental consequences. Students use the methods and tools geographers use in their science and practice. Student must take the AP Human Geography exam which is administered in May.

AP Human Geography Seminar **337901HW**
Grades: 9 - 12 **1 unit**

Prerequisite: Teacher recommendation

This is a companion course to AP Human Geography.

World History **336000CW**
Grades: 9 - 10 **1 unit**

Prerequisite: None

This course is designated as a social studies elective

World History from 1300: The Making of the Modern World is designed to assist students in understanding how people and countries of the world

have become increasingly interconnected. In the last six hundred years, population growth, demand for resources, curiosity, and technology have converged to draw the distant corners of the world closer together. Critical thinking is focal to this course, which emphasizes why and how people, ideas, and technology have made an impact on diverse groups of people.

World History Honors **336000HW**
Grade: 10 **1 unit**

Prerequisite: None

This course is designated as a social studies elective

The curriculum for World History honors is designed to accelerate and enrich the core curriculum by differentiating the content, process, pace and work completed by the student. Students who successfully complete the more rigorous work will earn a weighted credit. World History from 1300: The Making of the Modern World is designed to assist students in understanding how people and countries of the world have become increasingly interconnected. In the last six hundred years, population growth, demand for resources, curiosity, and technology have converged to draw the distant corners of the world closer together. Critical thinking is focal to this course, which emphasizes why and how people, ideas, and technology have made an impact on diverse groups of people.

US History and the Constitution **332000CW**
Grade: 11 **1 unit**

Prerequisite: Successful completion Of World Geography or World History

This course meets the graduation requirements for social studies.

This course is designed to meet the state graduation requirement for U.S. history. The focus of United States History and the Constitution is the story of the American people from the period of the colonial settlement to the present day – the establishment of the British colonies and the transfer of English political traditions, the creation of the United States as a new nation, westward expansion, the American Civil War and Reconstruction, the response to industrialization and urbanization of the late nineteenth century, and the nation's developing role in world affairs in the twentieth and twenty-first centuries. United States History and the Constitution is generally taught in grade eleven.

US History and the Constitution Honors **332000HW**
Grades: 11 **1 unit**

Prerequisite: Successful completion of World Geography Honors, World History Honors or AP Human Geography

This course meets the graduation requirements for social studies.

The curriculum for U.S. History Honors is designed to accelerate and enrich the core curriculum by differentiating the content, process, pace and work completed by the student. Students who successfully complete the more rigorous work will earn a weighted credit. The focus of United States History and the Constitution is the story of the American people from the period of the colonial settlement to the present day – the establishment of the British colonies and the transfer of English political traditions, the creation of the United States as a new nation, westward expansion, the American Civil War and Reconstruction, the response to industrialization and urbanization of the late nineteenth century, and the nation's developing role in world affairs in the twentieth and twenty-first centuries. United States History and the Constitution is generally taught in grade eleven.

Foundations of the American Nation **339900CW**
Grades: 10 **1 unit**

Prerequisite: None

This course does not satisfy the state graduation requirement for the other social studies elective; however it serves as a general elective. Students will be exposed to primary documents and other readings appropriate to the subject matter in an attempt to build both reading skills and critical thinking skills. Students will learn to analyze primary source materials, determine their relevance and draw conclusions. In addition, students will learn to read and interpret maps, charts, and graphs and political articles.

AP US History **337200HW**
Grades: 11 - 12 **1 unit**

Prerequisite: Teacher recommendation and successful completion of World Geography Honors, World History Honors or AP Human Geography

This course meets the graduation requirements for social studies

This is a college course designed for advanced students. Students will learn about the developments that have shaped U.S. history through the critical analysis of historical events and materials. Students will develop their ability to draw conclusions and use informed reasoning to present their arguments clearly and persuasively in essay format.

AP US History Seminar **337201HW**
Grades: 11 **1 unit**

Prerequisite: Student must be enrolled in an AP US History

This college course is a companion course to AP United States History. It is designed to help students learn how to think critically by analyzing, synthesizing, and evaluating historical material. There will be a major emphasis on writing skills that are necessary for successful performance on the Advanced Placement United States History Exam in May.

African-American History **339907CH**
Grades: 10 – 12 **1/2 unit**

Prerequisite: None

This course is designated as a social studies elective

This course is designed for students to explore the role of the African-Americans during the colonial period, the Civil War, on the frontier, the civil rights struggle and present times. Students will study African-American role models in common careers and explore the many cultural contributions in music (jazz), literature and visual arts. This course complements the study of African-American Literature.

United States Government **333000CH**
Grade: 12 **1/2 unit**

Prerequisite: Successful completion of US History and the Constitution Honors.

This course meets the graduation requirements for social studies.

In United States Government, students examine the theory and practice of American government. The course is designed to provide a comprehensive introduction to fundamental political concepts that will provide students with the knowledge and skills they need in order to understand and participate wisely in the American political system. United States Government examines basic political theory and governmental systems, American political development theory, the constitutional basis and structure of American government, and citizen involvement in the political system.

United States Government Honors **333000HH**
Grades: 12 **1/2 unit**

Prerequisite: Successful completion of US History and Constitution Honors

This course meets the graduation requirements for social studies

The curriculum for American Government Honors is designed to accelerate and enrich the core curriculum by differentiating the content, process, pace and work completed by the students. Students who successfully complete the more rigorous work will earn a weighted credit. In United States Government, students examine the theory and practice of American government. The course is designed to provide a comprehensive introduction to fundamental political concepts that will provide students with the knowledge and skills they need in order to understand and participate wisely in the American political system. United States Government examines basic political theory and governmental systems, American political development theory, the constitutional basis and structure of American government, and citizen involvement in the political system.

AP Government and Politics **337300AW**
Grade: 12 **1 unit**

Prerequisite: Successful completion of US History and Constitution Honors

This course meets the graduation requirements for social studies. This is a college course in American Government and Politics and is designed for advanced students. The AP Government & Politics: United States course provides an analytical perspective on government and politics in the United States. This course involves both the study of general concepts used to interpret U.S. politics and the analysis of specific case studies. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. political reality.

Economics **335000CH**
Grade: 12 **1/2 unit**

Prerequisite: None

This course meets the graduation requirements for social studies.

Economics is a social science. The science of economics uses data to analyze, interpret, and predict the behavior of individuals and institutions based upon incentives. The goal of a study of economics is to teach a student how to evaluate choices. Scarcity forces all entities—individuals, communities, and nations—to choose from available resources to meet their needs. This course helps students understand personal finances as required by state law.

Economics Honors **335000HH**
Grade: 12 **1/2 unit**

Prerequisite: Successful completion of United Government Honors or US History and Constitution Honors.

This course meets the graduation requirements for social studies.

The curriculum for Economics Honors is designed to accelerate and enrich the core curriculum by differentiating the content, process, pace, and work completed by the student. Students who successfully complete the more rigorous work will earn a weighted credit. This course helps students understand personal finances as required by state law. Economics is a social science. The science of economics uses data to analyze, interpret, and predict the behavior of individuals and institutions based upon incentives. The goal of a study of economics is to teach a student how to evaluate choices. Scarcity forces all entities—individuals, communities, and nations—to choose from available resources to meet their needs.

AP Macro Economics **337400AW**
Grade: 12 **1 unit**

Prerequisite: Successful completion of United Government Honors or US History and Constitution Honors

This course meets the graduation requirements for social studies.

The purpose of this advanced placement course is to give students a thorough understanding of the principles of economics that apply to an economic system as a whole. Such a course places particular emphasis on the study of national income and price determination and also develops student's familiarity with economic performance measures, economic growth, and international economics. Personal finance will be studied.

AP Micro Economics **337500AW**
Grades: 12 **1 unit**

Prerequisite: Successful completion of United Government Honors or US History and Constitution Honors

This course meets the graduation requirements for social studies.

AP Microeconomics provides a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, with the larger economic system. It places primary emphasis on the nature and functions of product markets, and includes the study of factor markets and of the role of government in promoting greater efficiency and equity in the economy. The AP exam is required for the course which is offered in May.

AP European History **337600AW**
Grades: 10 – 12 **1 unit**

Prerequisite: AP European History Seminar and successful completion of World Geography Honors, World History Honors or AP Human Geography

This course is designated as a social studies elective.

This course is an advanced study of European history for advanced students. Students will concentrate on the development of European nations from cultural, economic, social, and political perspectives. They will expand their problem-solving and critical thinking skills through the analysis and interpretation of historical data. Course requirements include outside readings and research papers. Students are required to take the Advance Placement Examination in European History which is administered in May.

AP European History Seminar **337610HW**
Grades: 10 – 12 **1 unit**

Prerequisite: Students must be enrolled in AP European History

This course is designated as a social studies elective. This college course is a companion course to AP European History. It is designed to

help students learn how to think critically by analyzing, synthesizing, and evaluating historical material. There will be a major emphasis on writing skills that are necessary for a successful performance on the Advanced Placement European History Exam in May.

HIS 201 – American History: Discovery to 1877 **332002EW**
Grades: 11 – 12 **1 unit & 3 hours college credits**
Prerequisite: Teacher recommendation and successful completion of World Geography Honors, World History Honors or AP Human Geography

This course is designated as a social studies elective. This course is a survey of U. S. history from discovery to 1877. This course includes political, social, economic, and intellectual developments during this period.

HIS 202 – American History: 1877 to Present **332003EW**
Grades: 11 – 12 **1 unit and 3 hours college credits**
Prerequisite: Teacher recommendation and successful completion of World Geography Honors, World History Honors or AP Human Geography

This course meets the graduation requirements for social studies. This course is a survey of U. S. history from 1877 to the present. This course includes political, social, economic, and intellectual developments during this period.

Sociology **334500CW**
Grades: 11-12 **1 unit**
Prerequisite: None

This course is designated as a social studies elective. Students critically examine how and why humans form groups and the methods they use to maintain group cohesiveness. Students observe and predict human behavior within groups. Special emphasis will be placed on the social circumstances that influence human thoughts, feelings, ideas and actions. There is an emphasis on the application of sociological research to analyze social, political, and economic conditions within the American society. After examining the scope of the science of sociology, students develop skills in identifying and analyzing social problems that arise as American communities develop and evolve.

Sociology 101 **334500EW**
Grades: 11 – 12 **1 unit & 3 hours college credit**
Prerequisite: ACCUPLACER

This course is designated as a social studies elective. Introduction to Sociology (SOC 101) is offered by the Midlands Technical College for three hours of college credit. This course emphasizes the fundamental concepts and principles of sociology, including culture, socialization, interaction, social groups and stratification, effects of population growth, and technology in society and social institutions. Students are responsible for paying the tuition fee assessed by the Midlands Technical College. This course may be offered through videoconferencing.

Psychology **334000CW**
Grades: 11 – 12 **1 unit**
Prerequisite: None

This course is designated as a social studies elective. This course is designed to help students learn to apply scientific observation

and explanation of human behavior. The first part of this course emphasizes the evolutionary development of this new social science from its roots in philosophy to the use of the scientific method to demonstrate mind/body relationships. The second part of this course focuses on biological foundations for human growth and development throughout the human life cycle and elevates student awareness of interpersonal relationships and social problem-solving skills.

PSY 201: General Psychology **334200EW**
Grade: 12 **1 unit & 3 hours college credit**
Prerequisite: ACCUPLACER and Successful completion of World History Honors

This course is designated as a social studies elective. General Psychology (PSY 201) is offered by the Midlands Technical College for 3 hours of college credit. This course includes the following topics and concepts in the science of behavior: scientific method, biological bases for behavior, perception, motivation, learning memory, development, personality, abnormal behavior, therapeutic techniques, and social psychology. Students are responsible for paying the tuition fee assessed by the Midlands Technical College.

AP Psychology **437100AW**
Grades: 11 – 12 **1 unit**
Prerequisite: Teacher recommendation

This is a college level course designed for advanced students. Students are introduced to the systematic and scientific study of the behaviors and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles and phenomena associated with each of the major sub-fields within psychology. Students also learn the ethics and methods psychologists use in their science and practice. Students are required to take the Advanced Placement Examination in this course.

Social Studies I-IV
Grades: 9 - 12 **1 unit**
Course Number:

Level I	Level II	Level III	Level IV
39028403	39028603	39028803	39029003
39038403	39038603	39038803	39038403
39048403	39048803	39048803	39049003
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39068403	39068603	39068803	39069003
39078403	39078603	39078803	39079003
39128403	39128603	39128803	39129003
39138403	39138603	39138803	39139003
39148403	39148603	39148803	39149003

This course is designed to provide a comprehensive introduction to fundamental political concepts that will provide students with the knowledge and skills they need in order to understand and participate wisely in the American political system.

GSSM Accelerate Engineering 2017-2018

INTRODUCTION

All students enrolling in a GSSM Accelerate course must have been accepted into the GSSM Accelerate engineering program and be currently in good standing. Students in the program must take all of the prescribed Accelerate courses for their grade level, and maintain academic excellence throughout the program.

Students will attend a mandatory residential camp lasting approximately one-week during each summer. Attendance is also required at several Saturday events during each school year. These include, but are not limited to, special participatory experiences for all grade levels, and science laboratories during the junior and senior years. These are typically held either in Hartsville or on a SC university campus or facility.

Academic performance or conduct deemed unsatisfactory by the GSSM and/or Accelerate can result in a student's dismissal from the Accelerate program at any time during the program.

COURSES FOR DUAL CREDIT

All GSSM Accelerate courses are offered for high school credit, and are Honors or Dual Enrollment, as noted in the course descriptions. Dual enrollment courses allow for both high school and college credit. Credits are contingent on satisfactory completion of all course requirements.

Courses offered for both college and high school credit will be certified via a master dual enrollment agreement between Clemson University and GSSM. College credits are awarded as noted, provided students meet all requirements of both GSSM Accelerate and the appropriate partner college/university. No college credit shall be awarded for grades below C.

Students are enrolled in Clemson University as "Special Students". Completion of the Accelerate program does not guarantee admission into any partner college/university. Students must apply to, and be accepted by, the university and department in which they wish to enroll. Admission of the student and the granting of these credits are solely the province of the college/university partner.

GRADES/ACADEMIC CREDIT

1. Parents and school personnel may monitor progress in Canvas.
2. At the end of each dual enrollment course, letter grades awarded will be reported to the student's school by the awarding institutions on an unofficial transcript.

ACCELERATE COURSE SEQUENCE

	9 FALL	9 SPRING	10 FALL	10 SPRING	11 FALL	11 SPRING	12 FALL	12 SPRING
MATH	Algebra II	Algebra II	Honors Pre- Calculus		MATH 1060 Calculus of One Variable I		MATH 1080 Calc of One Variable II	MATH 2060 Calc of Several Variables
SCIENCE	Intro Biology w/ Lab ⁽¹⁾	Intro Biology w/ Lab ⁽¹⁾	Chemistry I	Chemistry I	CH 1010 w/ CH 1011 General Chem I	CH 1020 w/ CH 1021 General Chem II	PHYS 1220 w/ PHYS 1240 Physics w/ Calc I	PHYS 2210 w/ PHYS 2230 Physics w/ Calc II
ENGINEER- ING			Honors Pre- Engineering		ENGR 1520 Engineering Computer Skills	ENGR 1640 Engr. MATLAB Prog.	ENGR 1150 Engr Design/ Modeling	Honors Senior Project
ENGLISH/ LANG ARTS	English I	English I	English II	English II	ENGL 1030 Accelerated Composition		Honors Literature of Problem- Solving	ENGL 2020 Major Forms of Literature

Notes:

Courses in **Blue** are Honors courses offered by GSSM.

Courses in **Green** are Dual Enrollment offered by Clemson.

Courses in Black are offered by and weighted by the local high school.

⁽¹⁾ Introductory Biology is required by the state, and should be completed in 9th grade.

Revised 12/1/16 KD

GSSM Accelerate Engineering 2017-2018

ACCELERATE COURSE DESCRIPTIONS

English

ENGL 1030 Accelerated Composition (Dual Enrollment)

This course provides training in composing correct and effective expository and argumentative essays, including writing documented essays.

Prerequisites	Offered	HS credit (units)/ SCDOE No.	College credit (sem. hrs.)
English II and PI	Fall/Spr	1.0 / 304400EW	3

*Note: English II or English III should be taken in the 10th grade year

ENGL 2020 The Major Forms of Literature (Dual Enrollment)

This course is a study of the basic structures and elements of fiction, poetry, and drama, including literary and critical theory, with readings in American, British, and world literature. Proficiency in composition must be demonstrated.

Prerequisites	Offered	HS Credit(units)/ SCDOE No.	College credit (sem. hrs)
ENGL 1030 and PI	Spring	1.0/ 304800EW	3

Governor's School Literature of Problem-Solving (Honors)

This course complements the senior capstone project course in engineering. Students will engage with literary works of various genres, time periods, and cultures that address human ingenuity, progress, and problem-solving. Close analysis of these literary examples will occur alongside dedicated writing workshops, which students will use to situate their projects within a larger cultural tradition. This course serves as a culmination of senior English and requires successful performance in previous coursework.

Prerequisites	Offered	HS Credit(units)	College credit (sem. hrs)
ENGL 1030 and PI	Fall	0.5/406900HH	-

Engineering

Accelerate Pre-Engineering (Honors)

Pre-Engineering 1 offers students an introduction to engineering, discussing careers and highlighting South Carolina-based industries. Introduces professional, ethical, and societal issues appropriate to engineering. Various forms of technical communication are emphasized. This course is integrated with Pre-calculus. Provides a solid foundation of skills to solve engineering problems. Students demonstrate problem-solving techniques with units and dimensions, use modeling techniques and interpret validity of experimental results, learning "thinking like an engineer".

Prerequisites	Offered	HS Credit(units) /SCDOE No.	College credit (sem. hrs)
Acceptance into Accelerate program	Fall/Spring	1.0/692400HW	-

*Note for schools on semesters, you may use Part 1: 0.5/692400HH and Part 2: 0.5/692500HH

GSSM Accelerate Engineering 2017-2018

ENGR 1520 Engineering Computer Skills (Dual Enrollment)

Students demonstrate problem solving techniques using modeling and by interpreting validity of experimental results using computer software Microsoft Excel and MATLAB. This course focuses on algorithms, estimation of answers, reading, and interpreting and writing instructions in both Excel and MATLAB. Also provides an introduction to matrices.

Prerequisites	Offered	HS credit (units)/ SCDOE No.	College credit (sem. hrs.)
PI	Fall	0.5 / 805200EH	2

ENGR 1640 Engineering MATLAB Programming (Dual Enrollment)

This course is a continuation of ENGR 1520. Students formulate and solve engineering problems using MATLAB. Coverage includes conditional statements, iteration and recursion using looping structures. Students formulate and solve engineering problems on multi-discipline teams using MATLAB. Various forms of technical communication are emphasized.

Prerequisites	Offered	HS credit (units)/ SCDOE No.	College credit (sem. hrs.)
ENGR 1520 w/ C or better	Spring	1.0 / 805300EW	3

ENGR 1150 Engineering Design and Modeling (Dual Enrollment)

This course is an introduction to engineering graphics and machine design. Students use hand sketching and CAD tools to visualize, communicate, rapid prototype, and analyze engineering problems. SOLIDWORKS software is used.

Prerequisites	Offered	HS credit (units)/ SCDOE No.	College credit (sem. hrs.)
PI	Fall	1.0/805400EW	3

Governor's School Senior Engineering Project (Honors)

Students continue applying skills taught and used in ENGR 1150.

Prerequisites	Offered	HS credit (units)	College credit (sem. hrs.)
ENGR 1150	Spring	0.5 /805900HH	-

Mathematics

Accelerate Pre-calculus (Honors)

This course provides students with foundational knowledge in preparation for the study of calculus. Emphasis will be placed on engineering problem solving. Topics include polynomial and rational functions, quadratic functions and models, polynomial functions and their graphs, exponential and logarithmic functions and trigonometric and inverse trigonometric functions.

Prerequisites	Offered	HS credit (units)/ SCDOE No.	College credit
Algebra II and Acceptance into Accelerate program	Fall/Spring	0.5 / 413100HW	-

GSSM Accelerate Engineering 2017-2018

MATH 1060 Calculus of One Variable I (Dual Enrollment)

The topics in this course include analytic geometry, introduction to derivatives, computation and application of derivatives, integrals, exponential and logarithm functions.

Prerequisites	Offered	HS credit (units)/ SCDOE No.	College credit (sem. hrs.)
Honors Pre-Cal and PI	Fall/Spr	1.0 / 413600EW	4

MATH 1080 Calculus of One Variable II (Dual Enrollment)

The topics in this course include transcendental functions, applications of integration, integration techniques, indeterminate forms, improper integrals, parametric equations, polar coordinates, and infinite series.

Prerequisites	Offered	HS credit (units)/ SCDOE No.	College credit (sem. hrs.)
MATH 1060	Fall	1.0/ 413700EW	4

MATH 2060 Calculus Several Variables (Dual Enrollment)

The topics in this course include real valued functions of several variables, multiple integration, differential calculus of functions of several variables, vector field theory.

Prerequisites	Offered	HS credit (units)/ SCDOE No.	College credit (sem. hrs.)
MATH 1080	Spring	1.0 / 913000EW	4

GSSM Accelerate Engineering 2017-2018

Science

CHEM 1010 General Chemistry I w/CHEM 1011 (Dual Enrollment)

This course is an introduction to the elementary concepts of chemistry through classroom and laboratory experience. Emphasis is placed on chemical reactions and the use of symbolic representation, the mole concept and its applications and molecular structure. **CH 1011 General Chemistry Laboratory** is a non-credit laboratory to accompany CH 1010. Mandatory labs are scheduled on some Saturdays each semester.

Prerequisites	Offered	HS credit (units)/ SCDOE No.	College credit (sem. hrs.)
*PI	Fall	1.0 / 323900EW	4

*Note: Biology I and Chemistry I should be taken prior to the 11th grade year

CHEM 1020 General Chemistry II w/ CHEM 1021 (Dual Enrollment)

A continuation of CH 1010, this course covers solutions, rates of reactions, chemical equilibrium, electrochemistry, chemistry of selected elements, and an introduction to organic chemistry. **CH 1021 General Chemistry Laboratory** is a non-credit laboratory to accompany CH 1020. Mandatory labs are scheduled on some Saturdays each semester.

Prerequisites	Offered	HS credit (units)/ SCDOE No.	College credit (sem. hrs.)
CH1010/1011	Spring	1.0 / 324000EW	4

PHYS 1220 Physics w/ Calculus I (Dual Enrollment)

This calculus based Physics course covers topics in vectors, laws of motion, conservation principles, rotational motion, oscillations, and gravitation. **PHYS 1240 Physics Laboratory accompanies PHYS 1220 and carries 1 credit.** It includes an introduction to physical experimentation with emphasis on mechanical systems, including oscillatory motion and resonance. Computers are used in the experimental measurements and in the statistical treatment of data. Mandatory labs are scheduled on some Saturdays each semester.

Prerequisites	Offered	HS credit (units)/ SC DOE No.	College credit (sem. hrs)
Senior status in Accelerate & MATH 1060	Fall	1.0/ 324800EW	3 + 1

PHYS 2210 Physics w/ Calculus II (Dual Enrollment)

This course is a continuation of PHYS 1220. Topics include thermodynamics, kinetic theory of gases, electric and magnetic fields, electric currents and circuits, and motion of charged particles in fields. **PHYS 2230 Physics Laboratory II accompanies PHYS 2210 and carries 1 credit.** It includes experiments in heat and thermodynamics, electrostatics, circuits, and magnetism. Computers are used in statistical treatment of data. Mandatory labs are scheduled on some Saturdays each semester.

Prerequisites	Offered	HS credit (units)/ SC DOE No.	College credit (sem. hrs)
PHYS 1220 & MATH 1080	Spring	1.0/ 325000EW	3 + 1

GSSM Accelerate Engineering 2017-2018

Other Courses during GSSM Accelerate

Students and parents need to work with the home high school to prepare a plan to ensure high school graduation requirements are met while in the Accelerate program. There are TWO Accelerate classes required during 10th grade, with FOUR classes required in each semester of 11th and 12th grades. The remainder of a student's time should be planned to complete such required courses as foreign language, US History, Economics, U. S. Government, Biology, etc., and to add elective courses as allowed.

Tenth Grade

An introductory chemistry course is highly recommended prior to the 11th grade, before Accelerate students undertake the dual enrollment General Chemistry in 11th grade.

If not already completed in 9th grade, Geometry may also be taken in 10th grade, at the same time as the pre-calculus and introductory engineering courses.

It is also recommended that students take English 2 or English 3 in the 10th grade and a computer science course prior to the 11th grade.

Eleventh Grade

It is also highly recommended that students take an introductory Physics course before entering Physics with Calculus in the 12th grade.

The student should target the remaining limited time available for an elective to a subject of strong interest in the humanities or the arts.

GSSM ENGINEERING ACCELERATED PROGRAM

All students enrolling in a GSSM Accelerate course must have been accepted into the GSSM Accelerate engineering program and be currently in good standing. Students in the program must take all of the prescribed Accelerate courses for their grade level, and maintain academic excellence throughout the program.

Students will attend a mandatory residential camp lasting approximately one-week during each summer. Attendance is also required at several Saturday events during each school year. These include, but are not limited to, special participatory experiences for all grade levels, and science laboratories during the junior and senior years. These are typically held either in Hartsville or on a SC university campus or facility.

Academic performance or conduct deemed unsatisfactory by the GSSM and/or Accelerate can result in a student's dismissal from the Accelerate program at any time during the program.

ENGLISH

English 1030 Accelerated Composition 304400EW
Grade: 11 (1.0 Unit of HS, 3.0 College Credits)

Prerequisite: English II

This course provides training in composing correct and effective expository and argumentative essays, including writing documented essays.

English 2020 The Major Forms of Literature 304800EW
Grade: 12 (1.0 Unit of HS, 3.0 College Credits)

Prerequisite: English 1030

This course is a study of the basic structures and elements of fiction, poetry, and drama, including literary and critical theory, with readings in American, British, and world literature. Proficiency in composition must be demonstrated.

ENGINEERING

Engineering 1520 Engineering Computer Skills 805200EH
Grade: 11 (0.5 Unit of HS, 2.0 College Credits)

Prerequisite: Recommendation

Students demonstrate problem solving techniques using modeling and by interpreting validity of experimental results using computer software Microsoft Excel and MATLAB. This course focuses on algorithms, estimation of answers, reading, and interpreting and writing instructions in both Excel and MATLAB. Also provides an introduction to matrices.

Engineering 1640 Engineering MATLAB Programming 805300EW
Grade: 11 (1.0 Unit of HS, 3.0 College Credits)

Prerequisite: Engineering 1520 w/C or better

This course is a continuation of ENGR 1520. Students formulate and solve engineering problems using MATLAB. Coverage includes conditional statements, iteration and recursion using looping structures. Students formulate and solve engineering problems on multi-discipline teams using MATLAB. Various forms of technical communication are emphasized.

Engineering 1150 Engineering Design and Modeling 805400EW
Grade: 12 (1.0 Unit of HS, 3.0 College Credits)

Prerequisite: Recommendation

This course is an introduction to engineering graphics and machine design. Students use hand sketching and CAD tools to visualize, communicate, rapid prototype, and analyze engineering problems. SOLIDWORKS software is used.

MATHEMATICS

Math 1060 Calculus of One Variable I 413600EW
Grade: 11 (1.0 Unit of HS, 3.0 College Credits)

Prerequisite: Pre-Calculus Honors and Recommendation

The topics in this course include analytic geometry, introduction to derivatives, computation and application of derivatives, integrals, exponential and logarithm functions.

Math 1080 Calculus of One Variable II 413700EW
Grade: 12 (1.0 Unit of HS, 3.0 College Credits)

Prerequisite: Math 1060

The topics in this course include transcendental functions, applications of integration, integration techniques, indeterminate forms, improper integrals, parametric equations, polar coordinates, and infinite series.

Math 2060 Calculus Several Variables 913000EW
Grade: 12 (1.0 Unit of HS, 3.0 College Credits)

Prerequisite: Math 1080

The topics in this course include real valued functions of several variables, multiple integration, differential calculus of functions of several variables, vector field theory.

SCIENCE

Chemistry 1010 General Chemistry I w/CHEM 1011 323900EW
Grade: 11 (1.0 Unit of HS, 3.0 College Credits)

Prerequisite: Recommendation

This course is an introduction to the elementary concepts of chemistry through classroom and laboratory experience. Emphasis is placed on chemical reactions and the use of symbolic representation, the mole concept and its applications and molecular structure. CH 1011 General Chemistry Laboratory is a non-credit laboratory to accompany CH 1010. Mandatory labs are scheduled on some Saturdays each semester.

Chemistry 1020 General Chemistry II w/CHEM 1021 324000EW
Grade: 11 (1.0 Unit of HS, 3.0 College Credits)

Prerequisite: Chemistry 1010/1011

A continuation of CH 1010, this course covers solutions, rates of reactions, chemical equilibrium, electrochemistry, chemistry of selected elements, and an introduction to organic chemistry. CH 1021 General Chemistry Laboratory is a non-credit laboratory to accompany CH 1020. Mandatory labs are scheduled on some Saturdays each semester.

Physics 1220 Physics w/Calculus I 324800EW
Grade: 12 (1.0 Unit of HS, 3.0 College Credits)

Prerequisite: Math 1060

This calculus based Physics course covers topics in vectors, laws of motion, conservation principles, rotational motion, oscillations, and gravitation. PHYS 1240 Physics Laboratory accompanies PHYS 1220 and carries 1 credit. It includes an introduction to physical experimentation with emphasis on mechanical systems, including oscillatory motion and resonance. Computers are used in the experimental measurements and in the statistical treatment of data. Mandatory labs are scheduled on some Saturdays each semester.

Physics 2210 Physics w/Calculus II 325000EW
Grade: 12 (1.0 Unit of HS, 3.0 College Credits)

Prerequisite: Math 1080 and Physics 1220

This course is a continuation of PHYS 1220. Topics include thermodynamics, kinetic theory of gases, electric and magnetic fields, electric currents and circuits, and motion of charged particles in fields. PHYS 2230 Physics Laboratory II accompanies PHYS 2210 and carries 1 credit. It includes experiments in heat and thermodynamics, electrostatics, circuits, and magnetism. Computers are used in statistical treatment of data. Mandatory labs are scheduled on some Saturdays each semester.

GSSM HONORS COURSES

ENGLISH

Literature of Problem-Solving

Grade: 12

406900HH

(0.5 Units)

Prerequisite: English 1030

This course complements the senior capstone project course in engineering. Students will engage with literary works of various genres, time periods, and cultures that address human ingenuity, progress, and problem-solving. Close analysis of these literary examples will occur alongside dedicated writing workshops, which students will use to situate their projects within a larger cultural tradition. This course serves as a culmination of senior English and requires successful performance in previous coursework.

ENGINEERING

Pre-Engineering

Grade: 10

692400HW

(1.0 Unit)

Prerequisite: Recommendation

Pre-Engineering 1 offers students an introduction to engineering, discussing careers and highlighting South Carolina-based industries. Introduces professional, ethical, and societal issues appropriate to

engineering. Various forms of technical communication are emphasized. This course is integrated with Pre-calculus. Provides a solid foundation of skills to solve engineering problems. Students demonstrate problem-solving techniques with units and dimensions, use modeling techniques and interpret validity of experimental results, learning "thinking like an engineer".

Senior Engineering Project

Grade: 12

805900HH

(0.5 Unit)

Prerequisite: Engineering 1150

Students continue applying skills taught and used in ENGR 1150.

MATHEMATICS

Pre-Calculus Honors

Grade: 10

413100HW

(0.5 Unit)

Prerequisite: Algebra II

This course provides students with foundational knowledge in preparation for the study of calculus. Emphasis will be placed on engineering problem solving. Topics include polynomial and rational functions, quadratic functions and models, polynomial functions and their graphs, exponential and logarithmic functions and trigonometric and inverse trigonometric functions.

International Baccalaureate Progression Chart

	8 th grade	9 th grade	10 th grade	11 th grade	12 th grade
English	English 1 H	English 2 H	English 3 H	IB English HL 1	IB English HL 2
	or 8th grade English H	English 1 H	English 2 H	IB English HL 1	IB English HL 2
Math	Geometry H	Algebra 2 H	Pre-Calculus H & AP Sem BC Calculus	IB Math HL 1	IB Math HL 2
	or Geometry H	Algebra 2 H	Pre-Calculus H	IB Math SL 1	IB Math SL 2
	or Algebra 1 H	Geometry H	Algebra 2 H	IB Math Studies SL 1	IB Math Studies SL 2
Science		Biology 1 H	Chemistry H and Physics H or AP Physics	IB Biology HL 1 or IB Biology SL 1 or IB Physics SL 1	IB Biology HL 2 or IB Biology SL 2 or IB Physics SL 2
		or Biology 1 H	Chemistry H or Physics H	IB Biology HL 1 or IB Biology SL 1 or IB Physics SL 1	IB Biology HL 2 or IB Biology SL 2 or IB Physics SL 2
History		AP Human Geography	AP World History	IB History HL 1	IB History HL 2
		or Honors World History	AP Human Geography	IB History HL 1	IB History HL 2
Foreign Language	French or Spanish 1 & 2	French or Spanish C/C or French, Spanish, or German 1&2	French, Spanish, or German 3	IB French, Spanish, or German SL 1	IB French, Spanish, or German SL 2
Electives	Keyboarding	PE, Personal Health, Computer Technology, Arts Credit	PE, Personal Health, Computer Technology, Arts Credit	HL Design Technology 1, HL Visual Arts 1, or none	3rd IB Art SL course

INTERNATIONAL BACCALAUREATE DIPLOMA PROGRAM

International Baccalaureate (IB) course offerings may vary from school to school and each course may not be offered each year.

GROUP 1: Language A1 (1st Language)

IB English Literature HL –1

301B00IW
1 unit

Credit(s):

Level: Higher

Grade Level: 11

Duration: 2 years (1st of two year sequence)

Prerequisite(s): English I & II Honors

Description: This course encourages students to see literary works as products of art and their authors as craftsmen whose methods of production can be analyzed in a variety of ways and on a number of levels. This is achieved through the emphasis placed on exploring the means used by different authors to convey their subjects in the works studied. It is further reinforced by the comparative framework emphasized for the study of these works in all parts of the program.

Internal Assessment: Individual Oral Presentation and Written Assignment

External Assessment: See IB English HL-2

Examination: May of 12th grade year following completion of IB English HL-2

IB English Literature HL –2

301C00IW
1 unit

Credit(s):

Level: Higher

Grade Level: 12

Duration: Continuation of IB English HL-1(2nd of two year sequence)

Prerequisite: IB English HL-1

Description: This course encourages students to see literary works as products of art and their authors as craftsmen whose methods of production can be analyzed in a variety of ways and on a number of levels. This is achieved through the emphasis placed on exploring the means used by different authors to convey their subjects in the works studied. It is further reinforced by the comparative framework emphasized for the study of these works in all parts of the program.

Internal Assessment: (30%) Individual oral commentary/discussion

External Assessment: (70%) Paper 1: Literary Commentary; prose and/or poetry (2 hrs.)

Paper 2: Essay-based on literary genre focus, written tasks-based on works studied (2 hrs.)

Examination: May of 12th grade year

IB English Language and Literature HL-1

301B01IW
1 unit

Credit(s):

Level: Higher

Grade Level: 11

Duration: 2 years (1st of two year sequence)

Prerequisite(s): English I & II Honors

Description: Language and literature comprises four parts—two relate to the study of language and two to the study of literature. The study of the texts produced in a language is central to an active engagement with language and culture and, by extension, to how we see and understand the world in which we live. A key aim of the language A: language and literature course is to encourage students to question the meaning generated by language and texts. Helping students to focus closely on the language of the texts they study and to become aware of the role of each text's wider context in shaping its meaning is central to the course.

Internal Assessment: See IB English Language and Literature HL-2

External Assessment: See IB English Language and Literature HL-2

Examination: May of 12th grade year following completion of IB English Language and Literature HL-2

IB English Language and Literature HL-2

301C02IW
1 unit

Credit(s):

Level: Higher

Grade Level: 12

Duration: Continuation of IB English Language and Literature HL-1 (2nd of two year sequence)

Prerequisite: IB English Language and Literature HL-1

Description: Language and literature comprises four parts—two relate to the study of language and two to the study of literature. The study of the texts produced in a language is central to an active engagement with language and culture and, by extension, to how we see and understand the world in which we live. A key aim of the language A: language and literature course is to encourage students to question the meaning generated by language and texts. Helping students to focus closely on the language of the texts they study and to become aware of the role of each text's wider context in shaping its meaning is central to the course.

Internal Assessment: (30%) Individual oral commentary/further oral activity

External Assessment: (70%) Paper 1: Comparative Textual Analysis, Paper 2: Essay based on literary texts Written Task based on material studied in the course.

Examination: May of 12th grade year following completion of IB English Language and Literature HL-2

GROUP 2: Language B (2nd Language)

IB French B SL Seminar

361K00HW
1 unit

Credit(s):

Level: Standard

Grade Level: 11 – 12

Duration: 1 year

Prerequisite(s): French III H

Description: An additional language-learning course designed for students with some previous learning of the language. The main focus is on language acquisition and development of language skills through the study and use of a range of written and spoken material. Such material will extend from everyday oral exchanges to literary texts, and be related to the culture(s) concerned.

Internal Assessment: See IB French B SL

External Assessment: See IB French B SL

Examination: May of 12th grade year following completion of IB French B SL

IB French B SL

361G12IW
1 unit

Credit(s):

Level: Standard

Grade Level: 11 – 12

Duration: 1 year

Prerequisite(s): IB French B SL Seminar

Description: An additional language-learning course designed for students with some previous learning of the language. The main focus is on language acquisition and development of language skills through the study and use of a range of written and spoken material. Such material will extend from everyday oral exchanges to literary texts, and be related to the culture(s) concerned.

Internal Assessment: (30%) Individual oral with teacher (8-10min, options), Interactive oral activities (core)

External Assessment: (70%) Paper 1 (1.5 hrs): Receptive skills- text-handling exercises on four written texts (core), Paper 2 (1.5 hrs): Written productive skills: 250-400 words, one choice of five (options), written assignment-receptive/written productive skills, written exercise of 300-400 words plus a 100-word rationale (core)

Examination Date: May

IB French ab initio Seminar SL

361K01HW
1 unit

Credit(s):

Level: Standard

Grade Level: 11 – 12

Duration: 1 year

Prerequisite(s): Coordinator Approval

Description: Organized into three themes: individual/society, leisure/work and urban/rural environment. These three fundamental areas are

interconnected and are studied concurrently. This course is designed for a student with little previous experience in the language.

Internal Assessment: (25%) See IB French ab initio SL

External Assessment: (75%) See IB French ab initio SL assignment

Examination Date: May

IB French ab initio SL

Credit(s)

Level: Standard

Grade Level: 11 – 12

Duration: 1 year

Prerequisite(s): Coordinator Approval

Description: Organized into three themes: individual/society, leisure/work and urban/rural environment. These three fundamental areas are interconnected and are studied concurrently. This course is designed for a student with little previous experience in the language.

Internal Assessment: (25%) Interactive skills: 3-part oral; written assignment

External Assessment: (75%) Paper 1 (1.5 hrs): Understanding of four written texts, text-handling exercises, Paper 2 (1 hr): 2 compulsory writing exercises, written assignment

Examination Date: May

361F12IW

1 unit

IB German B SL Seminar

Credit(s)

Level: Standard

Grade Level: 11 – 12

Duration: 1 year

Prerequisite(s): German III H

Description: An additional language-learning course designed for students with some previous learning of the language. The main focus is on language acquisition and development of language skills through the study and use of a range of written and spoken material. Such material will extend from everyday oral exchanges to literary texts, and be related to the culture(s) concerned.

Internal Assessment: See IB German B SL

External Assessment: See IB German B SL

Examination: May of 12th grade year following completion of IB German B SL

362J00HW

1 unit

IB German B SL

Credit(s)

Level: Standard

Grade Level: 11 – 12

Duration:

Prerequisite(s): German IV H

Description: An additional language-learning course designed for students with some previous learning of the language. The main focus is on language acquisition and development of language skills through the study and use of a range of written and spoken material. Such material will extend from everyday oral exchanges to literary texts, and be related to the culture(s) concerned.

Internal Assessment: (30%) Individual oral with teacher (8-10min, options), Interactive oral activities (core)

External Assessment: (70%) Paper 1 (1.5 hrs): Receptive skills- text-handling exercises on four written texts (core), Paper 2 (1.5 hrs): Written productive skills: 250-400 words, one choice of five (options), written assignment-receptive/written productive skills, written exercise of 300-400 words plus a 100-word rationale (core)

Examination Date: May

362G12IW

1 unit

1 year

IB German ab initio Seminar SL

Credit(s)

Level: Standard

Grade Level: 11 – 12

Duration: 1 year

Prerequisite(s): Coordinator Approval

Description: Organized into three themes: individual/society, leisure/work and urban/rural environment. These three fundamental areas are interconnected and are studied concurrently. This course is designed for a student with little previous experience in the language.

Internal Assessment: (25%) See IB German ab initio SL

External Assessment: (75%) See IB German ab initio SL

362K00HW

1 unit

Examination Date: May

IB German ab initio SL

Credit(s)

Level: Standard

Grade Level: 11 – 12

Duration: 1 year

Prerequisite(s): Coordinator Approval

Description: Organized into three themes: individual/society, leisure/work and urban/rural environment. These three fundamental areas are interconnected and are studied concurrently. This course is designed for a student with little previous experience in the language.

Internal Assessment: (25%) Interactive skills: 3-part oral; written assignment

External Assessment: (75%) Paper 1 (1.5 hrs): Understanding of four written texts, text-handling exercises, Paper 2 (1 hr): 2 compulsory writing exercises, written assignment

Examination Date: May

362F12IW

1 unit

IB Spanish B SL Seminar

Credit(s)

Level: Standard

Grade Level: 11 – 12

Duration: 1 year

Prerequisite(s): Spanish III H

Description: An additional language-learning course designed for students with some previous learning of the language. The main focus is on language acquisition and development of language skills through the study and use of a range of written and spoken material. Such material will extend from everyday oral exchanges to literary texts, and be related to the culture(s) concerned.

Internal Assessment: See IB German B SL

External Assessment: See IB German B SL

Examination: May of 12th grade year following completion of IB German B SL

365J00HW

1 unit

IB Spanish B SL

Credit(s)

Level: Standard

Grade Level: 11 – 12

Duration: 1 year

Prerequisite(s): IB Spanish B SL Seminar

Description: An additional language-learning course designed for students with some previous learning of the language. The main focus is on language acquisition and development of language skills through the study and use of a range of written and spoken material. Such material will extend from everyday oral exchanges to literary texts, and be related to the culture(s) concerned.

Internal Assessment: (30%) Individual oral with teacher (8-10min, options), Interactive oral activities (core)

External Assessment: (70%) Paper 1 (1.5 hrs): Receptive skills- text-handling exercises on four written texts (core), Paper 2 (1.5 hrs): Written productive skills: 250-400 words, one choice of five (options), written assignment-receptive/written productive skills, written exercise of 300-400 words plus a 100-word rationale (core)

Examination Date: May of 12th grade year

365G12IW

1 unit

IB Spanish ab initio Seminar SL

Credit(s)

Level: Standard

Grade Level: 11 – 12

Duration: 1 year

Prerequisite(s): Coordinator Approval

Description: Organized into three themes: individual/society, leisure/work and urban/rural environment. These three fundamental areas are interconnected and are studied concurrently. This course is designed for a student with little previous experience in the language.

Internal Assessment: (25%) See IB Spanish ab initio

External Assessment: (75%) See IB Spanish ab initio

Examination Date: May of Senior Year

365K00HW

1 unit

IB Spanish ab initio SL Credit(s): Level: Standard Grade Level: 11 – 12 Duration: 1 year Prerequisite(s): Coordinator Approval Description: Organized into three themes: individual/society, leisure/work and urban/rural environment. These three fundamental areas are interconnected and are studied concurrently. This course is designed for a student with little previous experience in the language. Internal Assessment: (25%) Interactive skills: 3-part oral; written assignment External Assessment: (75%) Paper 1 (1.5 hrs): Understanding of four written texts, text-handling exercises, Paper 2 (1 hr): 2 compulsory writing exercises, written assignment Examination Date: May of Senior Year	365F12IW 1 unit	IB Business and Management HL-1 Credit(s): Level: Higher Grade Level: 11 Duration: 2 years (first of the two-year sequence) Prerequisite(s): IB Candidate Description: The Diploma Programme business and management course is designed to develop an understanding of business theory, as well as an ability to apply business principles, practices and skills. As a course it aims to encourage a holistic view of the world of business by promoting an awareness of social, cultural and ethical factors in the actions of organizations and individuals in those organizations. The Diploma Programme business and management course is designed to develop an understanding of business theory, as well as an ability to apply business principles, practices and skills. The application of tools and techniques of analysis facilitates an appreciation of complex business activities. The course considers the diverse range of business organizations and activities and the cultural and economic context in which business operates. Emphasis is placed on strategic decision-making and the day-to-day business functions of marketing, production, human resource management and finance. Links between the topics are central to the course, and this integration promotes a holistic overview of business activity. Internal Assessment: See 12th grade year External Assessment: See 12th grade year Examination Date: May of 12th grade year following completion of IB Business and Management HL-II	381B00IW 1 unit
GROUP 3: Individuals and Societies			
IB Business and Management SL Seminar Credit(s): Level: Standard Grade Level: 11 Duration: 2 years (first of the two-year sequence) Prerequisite(s): IB Candidate Description: The Diploma Programme business and management course is designed to develop an understanding of business theory, as well as an ability to apply business principles, practices and skills. As a course it aims to encourage a holistic view of the world of business by promoting an awareness of social, cultural and ethical factors in the actions of organizations and individuals in those organizations. The Diploma Programme business and management course is designed to develop an understanding of business theory, as well as an ability to apply business principles, practices and skills. The application of tools and techniques of analysis facilitates an appreciation of complex business activities. The course considers the diverse range of business organizations and activities and the cultural and economic context in which business operates. Emphasis is placed on strategic decision-making and the day-to-day business functions of marketing, production, human resource management and finance. Links between the topics are central to the course, and this integration promotes a holistic overview of business activity. Internal Assessment: See 12th grade year External Assessment: See 12th grade year Examination Date: May of 12th grade year following completion of IB Business and Management SL	381D00HW 1 unit	IB Business and Management HL-2 Credit(s): Level: Higher Grade Level: 12 Duration: 2 years (second of the two-year sequence) Prerequisite(s): IB Business and Management HL I Description: The Diploma Programme business and management course is designed to develop an understanding of business theory, as well as an ability to apply business principles, practices and skills. As a course it aims to encourage a holistic view of the world of business by promoting an awareness of social, cultural and ethical factors in the actions of organizations and individuals in those organizations. The Diploma Programme business and management course is designed to develop an understanding of business theory, as well as an ability to apply business principles, practices and skills. The application of tools and techniques of analysis facilitates an appreciation of complex business activities. The course considers the diverse range of business organizations and activities and the cultural and economic context in which business operates. Emphasis is placed on strategic decision-making and the day-to-day business functions of marketing, production, human resource management and finance. Links between the topics are central to the course, and this integration promotes a holistic overview of business activity. Internal Assessment: Research Project 25% External Assessment: Paper 1- 40% Paper 2-35% Examination Date: May of 12th grade year	381C00IW 1 unit
IB Business and Management SL Credit(s): Level: Standard Grade Level: 12 Duration: 2 years (second of the two-year sequence) Prerequisite(s): IB Business and Management SL Seminar Description: The Diploma Programme business and management course is designed to develop an understanding of business theory, as well as an ability to apply business principles, practices and skills. As a course it aims to encourage a holistic view of the world of business by promoting an awareness of social, cultural and ethical factors in the actions of organizations and individuals in those organizations. The Diploma Programme business and management course is designed to develop an understanding of business theory, as well as an ability to apply business principles, practices and skills. The application of tools and techniques of analysis facilitates an appreciation of complex business activities. The course considers the diverse range of business organizations and activities and the cultural and economic context in which business operates. Emphasis is placed on strategic decision-making and the day-to-day business functions of marketing, production, human resource management and finance. Links between the topics are central to the course, and this integration promotes a holistic overview of business activity. Internal Assessment: Written Commentary 25% External Assessment: Paper 1-35% Paper 2-40% Examination Date: May of 12th grade year	381A01IW 1 unit	IB Economics SL Seminar Credit(s): Level: Standard Grade Level: 11 Duration: 2 years (first of the two-year sequence) Prerequisite(s): IB Candidate Description: The IB Diploma Programme economics course emphasizes the economic theories of microeconomics, which deal with economic variables affecting individuals, firms and markets, and the economic theories of macroeconomics, which deal with economic variables affecting countries, governments and societies. These economic theories are not to be studied in a vacuum—rather; they are to be applied to real-world issues. Prominent among these issues are fluctuations in economic activity, international trade, economic development and environmental sustainability. The economics course encourages students to develop international perspectives, fosters a concern for global issues, and raises students' awareness of their own responsibilities at a local, national and international level. The course also seeks to develop values and attitudes	335D00HW 1 unit

that will enable students to achieve a degree of personal commitment in trying to resolve these issues, appreciating our shared responsibility as citizens of an increasingly interdependent world.

Internal Assessment: See 12th grade year

External Assessment: See 12th grade year

Examination Date: May of 12th grade year following completion of IB Economics SL.

IB Economics SL

335A00IW

Credit(s):

1 unit

Level: Standard

Grade Level: 12

Duration: 2 years (second of the two-year sequence)

Prerequisite(s): IB Economics SL Seminar

Description: The IB Diploma Programme economics course emphasizes the economic theories of microeconomics, which deal with economic variables affecting individuals, firms and markets, and the economic theories of macroeconomics, which deal with economic variables affecting countries, governments and societies. These economic theories are not to be studied in a vacuum—rather; they are to be applied to real-world issues. Prominent among these issues are fluctuations in economic activity, international trade, economic development and environmental sustainability. The economics course encourages students to develop international perspectives, fosters a concern for global issues, and raises students' awareness of their own responsibilities at a local, national and international level. The course also seeks to develop values and attitudes that will enable students to achieve a degree of personal commitment in trying to resolve these issues, appreciating our shared responsibility as citizens of an increasingly interdependent world.

Internal Assessment: Portfolio of three Commentaries 20%

External Assessment: Paper 1-40% Extended Response Paper 2-40%

Data Response Paper

Examination Date: May of 12th grade year.

IB Economics HL-1

335B01IW

Credit(s):

1 unit

Level: Higher

Grade Level: 11

Duration: 2 years (first of the two-year sequence)

Prerequisite(s): IB Candidate

Description: The IB Diploma Programme economics course emphasizes the economic theories of microeconomics, which deal with economic variables affecting individuals, firms and markets, and the economic theories of macroeconomics, which deal with economic variables affecting countries, governments and societies. These economic theories are not to be studied in a vacuum—rather; they are to be applied to real-world issues. Prominent among these issues are fluctuations in economic activity, international trade, economic development and environmental sustainability. The economics course encourages students to develop international perspectives, fosters a concern for global issues, and raises students' awareness of their own responsibilities at a local, national and international level. The course also seeks to develop values and attitudes that will enable students to achieve a degree of personal commitment in trying to resolve these issues, appreciating our shared responsibility as citizens of an increasingly interdependent world.

Internal Assessment: See 12th grade year

External Assessment: See 12th grade year

Examination Date: May of 12th grade year following completion of IB Economics HL-II.

IB Economics HL-2

335C02IW

Credit(s):

1 unit

Level: Higher

Grade Level: 12

Duration: 2 years (second of the two-year sequence)

Prerequisite(s): IB Economics HL I

Description: The IB Diploma Programme economics course emphasizes the economic theories of microeconomics, which deal with economic variables affecting individuals, firms and markets, and the economic theories of macroeconomics, which deal with economic variables affecting countries, governments and societies. These economic theories are not to be studied in a vacuum—rather; they are to be applied to real-world issues. Prominent among these issues are fluctuations in economic

activity, international trade, economic development and environmental sustainability. The economics course encourages students to develop international perspectives, fosters a concern for global issues, and raises students' awareness of their own responsibilities at a local, national and international level. The course also seeks to develop values and attitudes that will enable students to achieve a degree of personal commitment in trying to resolve these issues, appreciating our shared responsibility as citizens of an increasingly interdependent world.

Internal Assessment: Portfolio of 3 Commentaries 20%

External Assessment: Paper 1- 30% Extended Response Paper 2-30%

Data Response Paper 3-20% Extension Paper

Examination Date: May of 12th grade year

IB Geography SL

331A00IW

Credit(s):

1 unit

Level: Standard

Grade Level: 12

Duration: 2 years (second of the two-year sequence)

Prerequisite(s): IB Geography SL Seminar

Description: The geography course embodies global and international awareness in several distinct ways. It examines key global issues, such as poverty, sustainability and climate change. It considers examples and detailed case studies at a variety of scales, from local to regional, national and international. Throughout the course, teachers have considerable flexibility in their choice of examples and case studies to ensure that Diploma Programme geography is a highly appropriate way to meet the needs of all students, regardless of their precise geographical location. Inherent in the syllabus is a consideration of different perspectives, economic circumstances and social and cultural diversity. Geography seeks to develop international understanding and foster a concern for global issues as well as to raise students' awareness of their own responsibility at a local level. Geography also aims to develop values and attitudes that will help students reach a degree of personal commitment in trying to resolve these issues, appreciating our shared responsibility as citizens of an increasingly interconnected world.

Internal Assessment: Written Report Based on Fieldwork 25%

External Assessment: Paper 1-40% Short Answer and Extended Response Paper 2-35% Structured Response

Examination Date: May of 12th grade year

IB Geography HL-1

331B01IW

Credit(s):

1 unit

Level: Higher

Grade Level: 11

Duration: 2 years (first of the two-year sequence)

Prerequisite(s): IB Candidate

Description: The geography course embodies global and international awareness in several distinct ways. It examines key global issues, such as poverty, sustainability and climate change. It considers examples and detailed case studies at a variety of scales, from local to regional, national and international. Throughout the course, teachers have considerable flexibility in their choice of examples and case studies to ensure that Diploma Programme geography is a highly appropriate way to meet the needs of all students, regardless of their precise geographical location. Inherent in the syllabus is a consideration of different perspectives, economic circumstances and social and cultural diversity. Geography seeks to develop international understanding and foster a concern for global issues as well as to raise students' awareness of their own responsibility at a local level. Geography also aims to develop values and attitudes that will help students reach a degree of personal commitment in trying to resolve these issues, appreciating our shared responsibility as citizens of an increasingly interconnected world.

Internal Assessment: See 12th grade year

External Assessment: See 12th grade year

Examination Date: May of 12th grade year following completion of IB Geography HL-II

IB Geography HL-2 Credit(s): Level: Higher Grade Level: 12 Duration: 2 years (second of the two-year sequence) Prerequisite(s): IB Geography HL I Description: The geography course embodies global and international awareness in several distinct ways. It examines key global issues, such as poverty, sustainability and climate change. It considers examples and detailed case studies at a variety of scales, from local to regional, national and international. Throughout the course, teachers have considerable flexibility in their choice of examples and case studies to ensure that Diploma Programme geography is a highly appropriate way to meet the needs of all students, regardless of their precise geographical location. Inherent in the syllabus is a consideration of different perspectives, economic circumstances and social and cultural diversity. Geography seeks to develop international understanding and foster a concern for global issues as well as to raise students' awareness of their own responsibility at a local level. Geography also aims to develop values and attitudes that will help students reach a degree of personal commitment in trying to resolve these issues, appreciating our shared responsibility as citizens of an increasingly interconnected world. Internal Assessment: Written Report Based on Fieldwork 20% External Assessment: Paper 1-25% Short Answer and Extended Response Paper 2-35% Structured Response Paper 3 Extension Paper 20% Examination Date: May of 12th grade year	331C02IW 1 unit at national, regional and international levels. Students enrolled in IB US History will take the US History EOCEP. Internal Assessment (20%): See 12th grade year External Assessment (80%): See 12th grade year Examination Date: May of 12th grade year following completion of IB History HL-2 IB History of Americas HL Credit(s): Level: Higher Grade Level: 12 Duration: Continuation of IB History HL-1 (second of the two-year sequence) Prerequisite(s): IB History HL-1 Description: Provides an understanding of history as a discipline, including the nature and diversity of its sources, methods and interpretations while encouraging an understanding of the impact of historical developments at national, regional and international levels. Internal Assessment: (20%) Historical investigation (approximately 20 hrs) External Assessment: (80%) Paper 1: (1 hr) 4 short-answer questions (20%), Paper 2: (1.5 hrs) 2 extended response (25%), Paper 3: (2.5 hrs) 3 extended response questions (35%) Examination Date: May of 12th grade year IB Information Technology in a Global Society (ITGS) SL Seminar Credit(s): Level: Standard Grade Level: 11 – 12 Duration: 1 year Prerequisite(s): None Description: Topics include: Social and ethical significance of IT developments, application to specified scenarios, IT systems; will count as high school computer science requirement. Internal Assessment: (30%) Project- the development of an original IT product for specified client (30 hours) External Assessment: (70%) Paper 1: (1.75 hrs) Answer 3 of 5 questions on core topics, Paper 2: (1.25 hrs) Written response to 1 unseen article Examination Date: May of 12th grade year
IB History SL Seminar Credit(s): Level: Standard Grade Level: 11 Duration: 2 years (first of the two-year sequence) Prerequisite(s): World History-H and World Geography-H or AP Human Geography (preferred) and AP World History (preferred) Description: Provides an understanding of history as a discipline, including the nature and diversity of its sources, methods and interpretations while encouraging an understanding of the impact of historical developments at national, regional and international levels. Internal Assessment: (25%) See 12th grade year External Assessment: (75%) See 12th grade year Examination Date: May of 12th grade year following completion of IB History SL	336L00HW 1 unit IB Information Technology in a Global Society (ITGS) SL Credit(s): Level: Standard Grade Level: 11 – 12 Duration: 1 year Prerequisite(s): IB ITGS SL Seminar Description: Topics include: Social and ethical significance of IT developments, application to specified scenarios, IT systems; will count as high school computer science requirement. Internal Assessment: (30%) Project- the development of an original IT product for specified client (30 hours) External Assessment: (70%) Paper 1: (1.75 hrs) Answer 3 of 5 questions on core topics, Paper 2: (1.25 hrs) Written response to 1 unseen article Examination Date: May of 12th grade year
IB History SL Credit(s): Level: Standard Grade Level: 12 Duration: Continuation of IB History HL-1 (second of the two-year sequence) Prerequisite(s): IB History HL-1 Description: Provides an understanding of history as a discipline, including the nature and diversity of its sources, methods and interpretations while encouraging an understanding of the impact of historical developments at national, regional and international levels. Internal Assessment: (25%) Historical investigation (approximately 20 hrs) External Assessment: (75%) Paper 1: (1 hr) 4 short-answer questions (30%), Paper 2: (1.5 hrs) 2 extended response (45%) Examination Date: May of 12th grade year	336K02IW 1 unit IB Information Technology in a Global Society (ITGS) HL -1 Credit(s): Level: Higher Grade Level: 11 Duration: 2 years (first of a two-year sequence) Prerequisite(s): None Description: Topics include: Social and ethical significance of IT developments (with extension topics), application to specified scenarios (with extension topics), IT systems (with extension topics); will count as high school computer science requirement. Internal Assessment: (20%) See IB ITGS HL-2 External Assessment: (80%) See IB ITGS HL-2 Examination Date: May of 12th grade year following completion of IB ITGS HL-2
IB US History Credit(s): Level: Higher Grade Level: 11 Duration: 2 years (first of the two-year sequence) Prerequisite(s): World History-H and World Geography-H or AP Human Geography (preferred) and AP World History (preferred) Description: Provides an understanding of history as a discipline, including the nature and diversity of its sources, methods and interpretations while encouraging an understanding of the impact of historical developments	336D01IW 1 unit IB Information Technology in a Global Society (ITGS) HL -1 Credit(s): Level: Higher Grade Level: 11 Duration: 2 years (first of a two-year sequence) Prerequisite(s): None Description: Topics include: Social and ethical significance of IT developments (with extension topics), application to specified scenarios (with extension topics), IT systems (with extension topics); will count as high school computer science requirement. Internal Assessment: (20%) See IB ITGS HL-2 External Assessment: (80%) See IB ITGS HL-2 Examination Date: May of 12th grade year following completion of IB ITGS HL-2

IB Information Technology in a Global Society**(ITGS) HL -2****Credit(s):****Level: Higher****Grade Level: 12****Duration: 2 years (second of a two-year sequence)****Prerequisite(s): IB ITGS HL -1**

Description: Topics include: Social and ethical significance of IT developments (with extension topics), application to specified scenarios (with extension topics), IT systems (with extension topics); will count as high school computer science requirement.

Internal Assessment: (20%) Project- the development of an original IT product for specified client (30 hours),

External Assessment: (80%) Paper 1: (2.25 hrs) 2 of 3 questions, any SL/HL topic, 1 of 2 questions-IT Systems/Organizations, and 1 of 2 questions- Robotics, Artificial Intelligence and Expert Systems, Paper 2: (1.25 hrs) Written response on 1 unseen article, Paper 3: (1.25 hrs) 4 questions on pre-seen case study

Examination Date: May of 12th grade year following completion of IB ITGS HL-2

473C02IW**1 unit**

and a close reading of texts. Through this examination of themes and texts, the philosophy course allows students to explore fundamental questions that people have asked throughout human history.

Internal Assessment: See IB Philosophy HL-II

External Assessment: See IB Philosophy HL-II

Examination Date: May of 12th grade year following completion of IB Philosophy HL-II

IB Philosophy HL-2**338C02IW****Credit(s):****1 unit****Level: Higher****Grade Level: 11 – 12****Duration: 1 year****Prerequisite(s): IB Candidate**

Description: The Diploma Programme philosophy course aims to be inclusive and to deal with a wide range of issues that can be approached in a philosophical way. A concern with clarity of understanding lies at the core of the philosophy course. This clarity is achieved through critical and systematic thinking, careful analysis of arguments, and the study of philosophical themes and a close reading of texts. Through this examination of themes and texts, the philosophy course allows students to explore fundamental questions that people have asked throughout human history.

Internal Assessment: (20%) Philosophical analysis of non-philosophical material, 1,600-2,000 words

External Assessment: (80%) Paper 1: 3 questions of 6, short answer/essay Paper 2: 1 out of 2 essay questions, Paper 3; response to unseen text, essay

Examination Date: May of 12th grade year

IB Psychology SL Seminar**334D00HW****Credit(s):****1 unit****Level: Standard****Grade Level: 11 – 12****Duration: 1 year****Prerequisite(s): None**

Description: Topics include the biological, cognitive and sociocultural levels of analysis; one option chosen among abnormal, developmental, health, sport or human relationship psychology.

Internal Assessment: (25%) Report of a simple experimental study conducted by student

External Assessment: (75%) Paper 1: (2 hrs) 3 compulsory questions on part 1 of syllabus, 1 of 3 questions- essay form, Paper 2: (1 hr) 15 questions on part 2 of syllabus; select one to answer in essay form.

Examination Date: May

IB Psychology SL**334A12IW****Credit(s):****1 unit****Level: Standard****Grade Level: 11 – 12****Duration: 1 year****Prerequisite(s): IB Psychology Seminar**

Description: Topics include the biological, cognitive and sociocultural levels of analysis; one option chosen among abnormal, developmental, health, sport or human relationship psychology.

Internal Assessment: (25%) Report of a simple experimental study conducted by student

External Assessment: (75%) Paper 1: (2 hrs) 3 compulsory questions on part 1 of syllabus, 1 of 3 questions- essay form, Paper 2: (1 hr) 15 questions on part 2 of syllabus; select one to answer in essay form.

Examination Date: May of 12th grade year

IB Psychology HL-1**334B01IW****Credit(s):****1 unit****Level: Higher****Grade Level: 11****Duration: 2 years (first of a two-year sequence)****Prerequisite(s): None**

Description: Topics include the biological, cognitive, sociocultural levels of analysis and qualitative research in psychology. Two options are chosen among abnormal, developmental, health, sport or human relationship psychology.

Internal Assessment: (20%) See IB Psychology HL-2

IB Philosophy SL Seminar**338G00HW****Credit(s):****1 unit****Level: Standard****Grade Level: 11 – 12****Duration: 1 year****Prerequisite(s): IB Candidate**

Description: The Diploma Programme philosophy course aims to be inclusive and to deal with a wide range of issues that can be approached in a philosophical way. A concern with clarity of understanding lies at the core of the philosophy course. This clarity is achieved through critical and systematic thinking, careful analysis of arguments, and the study of philosophical themes and a close reading of texts. Through this examination of themes and texts, the philosophy course allows students to explore fundamental questions that people have asked throughout human history.

Internal Assessment: See IB Philosophy SL

External Assessment: See IB Philosophy SL

Examination Date: May of 12th grade year following completion of IB Philosophy SL

IB Philosophy SL**338A00IW****Credit(s):****1 unit****Level: Standard****Grade Level: 11 – 12****Duration: 1 year****Prerequisite(s): IB Candidate**

Description: The Diploma Programme philosophy course aims to be inclusive and to deal with a wide range of issues that can be approached in a philosophical way. A concern with clarity of understanding lies at the core of the philosophy course. This clarity is achieved through critical and systematic thinking, careful analysis of arguments, and the study of philosophical themes and a close reading of texts. Through this examination of themes and texts, the philosophy course allows students to explore fundamental questions that people have asked throughout human history.

Internal Assessment: (30%) Philosophical analysis of non-philosophical material, 1,600-2,000 words

External Assessment: (70%) Paper 1: 2 questions of 4, short answer/essay Paper 2: 1 out of 2 essay questions

Examination Date: May of 12th grade year

IB Philosophy HL-1**338B01IW****Credit(s):****1 unit****Level: Higher****Grade Level: 11 – 12****Duration: 1 year****Prerequisite(s): IB Philosophy SL Seminar**

Description: The Diploma Programme philosophy course aims to be inclusive and to deal with a wide range of issues that can be approached in a philosophical way. A concern with clarity of understanding lies at the core of the philosophy course. This clarity is achieved through critical and systematic thinking, careful analysis of arguments, and the study of philosophical themes

External Assessment: (80%) See IB Psychology HL-2
 Examination Date: May of 12th grade year following completion of IB Psychology HL-2

IB Psychology HL-2 **334C02IW**
Credit(s): 1 unit
Level: Higher
Grade Level: 12
Duration: 2 years (second of a two-year sequence)

Prerequisite(s): IB Psychology HL-1

Description: Topics include the biological, cognitive, sociocultural levels of analysis and qualitative research in psychology. Two options are chosen among abnormal, developmental, health, sport or human relationship psychology.

Internal Assessment: (20%) Report of a simple experimental study conducted by student

External Assessment: (80%) Paper 1: (2 hrs) 3 compulsory questions on part 1 of syllabus, 1 of 3 questions- essay form, Paper 2: (2 hrs) 15 questions on part 2 of syllabus; select 2 to answer in essay form, Paper 3: (1hr) 3 compulsory questions on unseen text covering part 3 of syllabus

Examination Date: May of 12th grade year

IB Social & Cultural Anthropology SL **338D00IW**
Credit(s): 1 unit
Level: Standard
Grade Level: 11 – 12
Duration: 1 year

Prerequisite(s): IB Social & Cultural Anthropology SL Seminar

Description: The IB social and cultural anthropology course offers an opportunity for students to become acquainted with anthropological perspectives and ways of thinking, and to develop critical, reflexive knowledge. Social and cultural anthropology contributes a distinctive approach to intercultural awareness and understanding, which embodies the essence of an IB education. Anthropology fosters the development of citizens who are globally aware and ethically sensitive. The social and cultural anthropology course for both SL and HL students is designed to introduce the principles, practices and materials of the discipline.

Internal Assessment: (20%) A 1-hour observation; written report of 600-700 words; critique of the initial report, 700-800 words

External Assessment: (80%) Paper 1: 3 questions on unseen text Paper 2: 2 questions of 10, essay

Examination Date: May

IB Social & Cultural Anthropology HL-1 **338E01IW**
Credit(s): 1 unit
Level: Higher
Grade Level: 11 – 12
Duration: 1 year

Prerequisite(s): IB Candidate

Description: The IB social and cultural anthropology course offers an opportunity for students to become acquainted with anthropological perspectives and ways of thinking, and to develop critical, reflexive knowledge. Social and cultural anthropology contributes a distinctive approach to intercultural awareness and understanding, which embodies the essence of an IB education. Anthropology fosters the development of citizens who are globally aware and ethically sensitive. The social and cultural anthropology course for both SL and HL students is designed to introduce the principles, practices and materials of the discipline.

Internal Assessment: See IB Social & Cultural Anthropology HL-II

External Assessment: See IB Social & Cultural Anthropology HL-II

Examination Date: May of 12th grade year following completion of Social & Cultural Anthropology SL

IB Social & Cultural Anthropology HL-2 **338F02IW**
Credit(s): 1 unit
Level: Higher
Grade Level: 11 – 12
Duration: 1 year

Prerequisite(s): IB Social & Cultural Anthropology HL-I

Description: The IB social and cultural anthropology course offers an opportunity for students to become acquainted with anthropological perspectives and ways of thinking, and to develop critical, reflexive knowledge. Social and cultural anthropology contributes a distinctive

approach to intercultural awareness and understanding, which embodies the essence of an IB education. Anthropology fosters the development of citizens who are globally aware and ethically sensitive. The social and cultural anthropology course for both SL and HL students is designed to introduce the principles, practices and materials of the discipline.

Internal Assessment: (25%) Report of fieldwork

External Assessment: (75%) Paper 1: 3 compulsory questions on unseen text Paper 2: 2 questions of 10, essay Paper 3: 1 of 5 questions, Essay

Examination Date: May

Group 4: Experimental Sciences

IB Biology SL Seminar **322D00HW**
Credit(s): 1 unit
Level: Standard
Grade Level: 11 – 12
Duration: 1 year

Prerequisite(s): Biology-H and Chemistry-H

Description: This course provides an in-depth understanding of structure and function in cellular to global hierarchies and the universal features that exist in biologically diverse ecosystems. Includes extensive laboratory investigations.

Internal Assessment: (24%) Laboratory Investigations, Group 4 Project
 External Assessment: (76%) Paper 1 (.75 hr): 30 multiple-choice questions on the core, Paper 2: (1.25 hr) data-based, short-answer and extended response, Paper 3: (1 hr) short-answer questions on two options, all compulsory
 Examination Date: May

IB Biology SL **322A12IW**
Credit(s): 1 unit
Level: Standard
Grade Level: 11 – 12
Duration: 1 year

Prerequisite(s): Biology-H and Chemistry-H

Description: This course provides an in-depth understanding of structure and function in cellular to global hierarchies and the universal features that exist in biologically diverse ecosystems. Includes extensive laboratory investigations.

Internal Assessment: (24%) Laboratory Investigations, Group 4 Project
 External Assessment: (76%) Paper 1 (.75 hr): 30 multiple-choice questions on the core

Paper 2: (1.25 hr) data-based, short-answer and extended response

Paper 3: (1 hr) short-answer questions on two options, all compulsory

Examination Date: May

IB Biology HL-1 **322B01IW**
Credit(s): 1 unit
Level: Higher
Grade Level: 11

Duration: 2 years (first of the two-year sequence)

Prerequisite(s): Biology-H and Chemistry-H

Description: This course provides an in-depth understanding of structure and function in cellular to global hierarchies and the universal features that exist in biologically diverse ecosystems. Includes extensive laboratory investigations. Topics are studied with greater breadth and depth than in IB Biology SL.

Internal Assessment: See IB Biology HL-2

External Assessment: See IB Biology HL-2

Examination Date: May of 12th grade year following completion of IB Biology HL-2

IB Biology HL-2 **322C02IW**
Credit(s): 1 unit
Level: Higher
Grade Level: 12
Duration: 2 years (second of the two-year sequence)

Prerequisite(s): IB Biology HL-1

Description: This course provides an in-depth understanding of structure and function in cellular to global hierarchies and the universal features that exist in biologically diverse ecosystems. Includes extensive laboratory investigations. Topics are studied with greater breadth and depth than in IB Biology SL.

Internal Assessment: (24%) Laboratory Investigations, Group 4 Project
 External Assessment: (76%) Paper 1: (1 hr): 40 multiple-choice questions
 Paper 2: (2.25 hr) data-based, short answer, extended response questions
 Paper 3: (1.25 hr) short-answer and extended response on two options, all compulsory
 Examination Date: May of 12th grade year

IB Chemistry SL Seminar

323D00HW

Credit(s):

1 unit

Level: Standard

Grade Level: 11 – 12

Duration: 1 year

Prerequisite(s): Biology-H and Chemistry-H

Description: Topics covered are quantitative chemistry, atomic structure, periodicity, bonding, energetic, kinetics, equilibrium, acids/bases, oxidation/reduction, organic chemistry and measurement/data processing. Two additional options will be included. Includes extensive laboratory investigations.

Internal Assessment: See IB Chemistry SL

External Assessment: See IB Chemistry SL

Examination Date: May of 12th grade year following completion of IB Chemistry SL

IB Chemistry SL

323A12IW

Credit(s):

1 unit

Level: Standard

Grade Level: 11 – 12

Duration: 1 year

Prerequisite(s): Biology-H and Chemistry-H

Description: Topics covered are quantitative chemistry, atomic structure, periodicity, bonding, energetic, kinetics, equilibrium, acids/bases, oxidation/reduction, organic chemistry and measurement/data processing. Two additional options will be included. Includes extensive laboratory investigations.

Internal Assessment: (24%) Laboratory Investigations, Group 4 Project

External Assessment: (76%) Paper 1 (.75 hr): 30 multiple-choice questions, Paper 2: (1.25 hr) data-based, short-answer and extended response questions, Paper 3: (1 hr) short-answer on each of the two options studied, all compulsory

Examination Date: May

IB Chemistry HL-1

323B01IW

Credit(s):

1 unit

Level: Higher

Grade Level: 11 – 12

Duration: 1 year

Prerequisite(s): Biology-H and Chemistry-H

Description: Topics covered are quantitative chemistry, atomic structure, periodicity, bonding, energetic, kinetics, equilibrium, acids/bases, oxidation/reduction, organic chemistry and measurement/data processing. Two additional options will be included. Includes extensive laboratory investigations.

Internal Assessment: See IB Chemistry HL-2

External Assessment: See IB Chemistry HL-2

Examination Date: May of 12th grade year following completion of IB Chemistry HL-2

IB Chemistry HL-2

323C02IW

Credit(s):

1 unit

Level: Higher

Grade Level: 11 – 12

Duration: 1 year

Prerequisite(s): Chemistry HL I

Description: Topics covered are quantitative chemistry, atomic structure, periodicity, bonding, energetic, kinetics, equilibrium, acids/bases, oxidation/reduction, organic chemistry and measurement/data processing. Two additional options will be included. Includes extensive laboratory investigations.

Internal Assessment: (24%) Laboratory Investigations, Group 4 Project

External Assessment: (76%) Paper 1 (.75 hr): 40 multiple-choice questions, Paper 2: (1.25 hr) data-based, short-answer and extended response questions, Paper 3: (1 hr) short-answer on each of the two

options studied, all compulsory

Examination Date: May

IB Design Technology SL Seminar

472D00HW

Credit(s):

1 unit

Level: Standard

Grade Level: 11 – 12

Duration: 1 year

Prerequisite(s): IB Candidate

Description: Diploma Programme design technology aims to develop internationally minded people whose enhanced understanding of the technological world can facilitate our shared guardianship of the planet and create a better world. Diploma Programme design technology achieves a high level of technological literacy by enabling students to develop critical-thinking and design skills, which they can apply in a practical context. While designing may take various forms, it will involve the selective application of knowledge within an ethical framework. It will focus on the design, development, analysis, synthesis and evaluation of problems, and their solution through practical activities. The creative tension between theory and practice is what characterizes design technology within the Diploma Programme experimental sciences.

Internal Assessment: See IB Design Technology SL

External Assessment: See IB Design Technology SL

Examination Date: May of 12th grade year following completion of IB Design Technology SL

IB Design Technology SL

472A00IW

Credit(s):

1 unit

Level: Standard

Grade Level: 11 – 12

Duration: 1 year

Prerequisite(s): IB Design Technology SL Seminar

Description: Diploma Programme design technology aims to develop internationally minded people whose enhanced understanding of the technological world can facilitate our shared guardianship of the planet and create a better world. Diploma Programme design technology achieves a high level of technological literacy by enabling students to develop critical-thinking and design skills, which they can apply in a practical context. While designing may take various forms, it will involve the selective application of knowledge within an ethical framework. It will focus on the design, development, analysis, synthesis and evaluation of problems, and their solution through practical activities. The creative tension between theory and practice is what characterizes design technology within the Diploma Programme experimental sciences.

Internal Assessment: (36%) Investigations; Group 4 project, design project (student choice)

External Assessment: (64%) Paper 1: 30 multiple-choice, Paper 2: data-based and short answer, one extended-response of three, Paper 3: short-answer/extended-response from option studied

Examination Date: May

IB Design Technology HL-1

472B01IW

Credit(s):

1 unit

Level: Higher

Grade Level: 11 – 12

Duration: 1 year

Prerequisite(s): IB Candidate

Description: Diploma Programme design technology aims to develop internationally minded people whose enhanced understanding of the technological world can facilitate our shared guardianship of the planet and create a better world. Diploma Programme design technology achieves a high level of technological literacy by enabling students to develop critical-thinking and design skills, which they can apply in a practical context. While designing may take various forms, it will involve the selective application of knowledge within an ethical framework. It will focus on the design, development, analysis, synthesis and evaluation of problems, and their solution through practical activities. The creative tension between theory and practice is what characterizes design technology within the Diploma Programme experimental sciences.

Internal Assessment

See IB Design Technology HL-2

External Assessment

See IB Design Technology HL-2

Examination Date: May of 12th grade year following completion of IB Design Technology HL-2.

IB Design Technology HL-2**Credit(s):****Level: Higher****Grade Level: 11 – 12****Duration: 1 year****Prerequisite(s): IB Design Technology HL I**

Description: Diploma Programme design technology aims to develop internationally minded people whose enhanced understanding of the technological world can facilitate our shared guardianship of the planet and create a better world. Diploma Programme design technology achieves a high level of technological literacy by enabling students to develop critical-thinking and design skills, which they can apply in a practical context. While designing may take various forms, it will involve the selective application of knowledge within an ethical framework. It will focus on the design, development, analysis, synthesis and evaluation of problems, and their solution through practical activities. The creative tension between theory and practice is what characterizes design technology within the Diploma Programme experimental sciences.

Internal Assessment (36%) Investigations; Group 4 project, design project (student choice)

External Assessment (64%) Paper 1: 40 multiple-choice, Paper 2: data-based and short answer, one extended-response of three, Paper 3: short-answer/extended-response from option studied

Examination Date: May.

472C02IW**1 unit**

electricity, circuits, magnets, atomic/nuclear physics, and energy/ power and climate change. Two additional options will be included. Includes extensive laboratory investigations.

Internal Assessment: See IB Physics HL-I

External Assessment: See IB Physics HL-II

Examination Date: May after completion of IB Physics HL-II.

IB Physics HL-2**324C02IW****Credit(s):****1 unit****Level: Higher****Grade Level: 11 – 12****Duration: 1 year****Prerequisite(s): IB Physics HL-1**

Description: The curriculum is designed for breadth, depth, and rigor, putting emphasis on problem solving through familiarity with physics theory and practical application in the lab. Topics included in this class include physical measurement, mechanics, thermal physics, waves, electricity, circuits, magnets, atomic/nuclear physics, and energy/ power and climate change. Two additional options will be included. Includes extensive laboratory investigations.

Internal Assessment: (24%) Laboratory Investigations, Group 4 Project
External Assessment: (76%) Paper 1: (.75 hr) 40 multiple-choice questions, Paper 2: (2.25 hr) data-based, short-answer and extended response questions, Paper 3: (1.25 hr) short-answer on each of two options studied, all compulsory

Examination Date: May

IB Physics SL Seminar**324D00HW****Credit(s):****1 unit****Level: Standard****Grade Level: 11 – 12****Duration: 1 year****Prerequisite(s): Pre-calculus**

Description: The curriculum is designed for breadth, depth, and rigor, putting emphasis on problem solving through familiarity with physics theory and practical application in the lab. Topics included in this class include physical measurement, mechanics, thermal physics, waves, electricity, circuits, magnets, atomic/nuclear physics, and energy/ power and climate change. Two additional options will be included. Includes extensive laboratory investigations.

Internal Assessment see IB Physics SL

External Assessment see IB Physics SL

Examination Date: May after completion of IB Physics SL.

IB Sports, Exercise and Health Science SL**322E00IW****Credit(s):****1 unit****Level: Standard****Grade Level: 11 – 12****Duration: 1 year****Prerequisite(s): IB Sports, Exercise and Health Science SL Seminar**

Description: The course incorporates the traditional disciplines of anatomy and physiology, biomechanics, psychology and nutrition, which are studied in the context of sport, exercise and health. Students will cover a range of core and option topics and carry out practical (experimental) investigations in both laboratory and field settings. This will provide an opportunity to acquire the knowledge and understanding necessary to apply scientific principles and critically analyze human performance. Where relevant, the course will address issues of international dimension and ethics by considering sport, exercise and health relative to the individual and in a global context.

Internal Assessment: (24%) Investigations; Group 4 project, design project (student choice)

External Assessment: (76%) Paper 1: 30 multiple-choice, Paper 2: data-based and short answer, one extended-response of three, Paper 3: short-answer/extended-response from option studied

Examination Date: May

Group 5: Mathematics**IB Mathematical Studies SL Seminar****311G00HW****Credit(s):****1 unit****Level: Standard****Grade Level: 11 – 12****Duration: 1 year, 1st of two-year sequence****Prerequisite(s): Algebra I, Geometry-H and Algebra II-H**

Description: This course has an emphasis on applications of mathematics, and the largest section is on statistical techniques. It is designed for students with varied mathematical backgrounds and abilities. It prepares students to be able to solve problems in a variety of settings, to develop more sophisticated mathematical reasoning and to enhance their critical thinking. The individual project is an extended piece of work based on personal research involving collection, analysis and evaluation of data. Students taking this course are well prepared for a career in social sciences, humanities, languages or arts.

Internal Assessment: (20%) See IB Mathematical Studies SL

External Assessment: (80%) See IB Mathematical Studies SL

Examination Date: May following completion of IB Math Studies SL

IB Physics HL-1**324B01IW****Credit(s):****1 unit****Level: Higher****Grade Level:****Duration: 1 year****Prerequisite(s): Calculus AB**

Description: The curriculum is designed for breadth, depth, and rigor, putting emphasis on problem solving through familiarity with physics theory and practical application in the lab. Topics included in this class include physical measurement, mechanics, thermal physics, waves,

IB Mathematical Studies SL Credit(s): Level: Standard Grade Level: 11 – 12 Duration: 1 year, second of a two-year sequence Prerequisite(s): IB Mathematical Studies Seminar Description: This course has an emphasis on applications of mathematics, and the largest section is on statistical techniques. It is designed for students with varied mathematical backgrounds and abilities. It prepares students to be able to solve problems in a variety of settings, to develop more sophisticated mathematical reasoning and to enhance their critical thinking. The individual project is an extended piece of work based on personal research involving collection, analysis and evaluation of data. Students taking this course are well prepared for a career in social sciences, humanities, languages or arts. Internal Assessment: (20%) Project involving collection of information or generation of measurements and the analysis/evaluation of the information or measurements External Assessment: (80%) Paper 1: (1.5 hr) 15 compulsory short-response questions (40%) Paper 2: (1.5 hr) 6 compulsory extended-response questions (40%) Examination Date: May of senior year	311B12IW 1 unit	Description: This course caters to students with a good background in mathematics. The majority of these students will be expecting to include mathematics as a major component of their university studies. Topics include: algebra, functions/equations, circular functions/trigonometry, vectors, statistics/probability and calculus. One option is chosen from: statistics/probability, sets/relations/groups, calculus or discrete mathematics. Internal Assessment: (20%) See IB Mathematics HL-2 External Assessment: (80%) See IB Mathematics HL-2 Examination Date: May of senior year following completion of IB Mathematics HL-2
IB Mathematics SL Seminar Credit(s): Level: Standard Grade Level: 11 – 12 Duration: 1 year, first of a two-year sequence Prerequisite(s): Geometry-H, Algebra II-H, Pre-calculus and/or MEGSSS Data Analysis Description: This course caters to students who already possess knowledge of basic mathematical concepts, and who are equipped with the skills needed to apply simple mathematical techniques correctly. The majority of these students will expect to need a sound mathematical background as they prepare for future studies in subjects such as chemistry, economics, psychology and business administration. Topics include algebra, functions/equations, circular functions/trigonometry, matrices, vectors, statistics/probability and calculus. Internal Assessment: See IB Mathematics SL External Assessment: See IB Mathematics SL Examination Date: May of 12th grade year following completion of IB Math SL	311I00HW 1 unit	IB Mathematics HL-2 Credit(s): Level: Higher Grade Level: 12 Duration: Two years, second of a two-year sequence Prerequisite(s): IB Mathematics HL-1 Description: This course caters to students with a good background in mathematics. The majority of these students will be expecting to include mathematics as a major component of their university studies. Topics include: algebra, functions/equations, circular functions/trigonometry, matrices, vectors, statistics/probability and calculus. One option is chosen from: statistics/probability, sets/relations/groups, calculus or discrete mathematics. Internal Assessment: (20%) The internally assessed component in this course is a mathematical exploration. This piece of written work involves investigating an area of mathematics. External Assessment: (80%) Paper 1: (2 hrs) compulsory short/extended response questions on core syllabus-no calculator Paper 2: (2 hrs) compulsory short/extended response questions on core syllabus-GDC required Paper 3: (1 hr) Extended response on option(s) – GDC required Examination Date: May of senior year
IB Mathematics SL Credit(s): Level: Standard Grade Level: 11 – 12 Duration: 1 year, second of a two-year sequence Prerequisite(s): IB Mathematics Seminar Description: This course caters to students who already possess knowledge of basic mathematical concepts, and who are equipped with the skills needed to apply simple mathematical techniques correctly. The majority of these students will expect to need a sound mathematical background as they prepare for future studies in subjects such as chemistry, economics, psychology and business administration. Topics include algebra, functions/equations, circular functions/trigonometry, matrices, vectors, statistics/probability and calculus. Internal Assessment: (20%) Internal assessment is an individual exploration. This is a piece of written work that involves investigation and is assessed in the following areas: communication, mathematical presentation, personal engagement, reflection and use of mathematics. External Assessment: (80%) Paper 1: (1.5 hrs) Compulsory short/extended response question based on whole syllabus (no calculator allowed) Paper 2: (1.5 hrs) Compulsory/extended response question based on whole syllabus (GDC required) Examination Date: May of senior year	311F12IW 1 unit	GROUP 6: ARTS IB Dance SL Seminar Credit(s): Level: Standard Grade Level: 11 – 12 Duration: 1 year Prerequisite(s): None Description: This course is constructed so that all students are given opportunities to study a variety of world dance traditions through exposure to physical practice and observation as well as written investigation. The curriculum draws on a wide range of dance cultures that reflect varied histories, practices and aesthetics. Internal Assessment: (40%) Performance: One or two dances presented at open showing (solo/group) of three to six minutes External Assessment: (60%), Composition/analysis of two works, Dance investigation- 1,500 words Examination Date: May following completion of IB Dance SL
IB Mathematics HL-1 Credit(s): Level: Higher Grade Level: 11 Duration: Two years, first of a two-year sequence Prerequisite(s): Pre-calculus- H and MEGSSS Data Analysis	311D01IW 1 unit	IB Dance SL Credit(s): Level: Standard Grade Level: 11 – 12 Duration: 1 year Prerequisite(s): IB Dance Seminar SL Description: This course is constructed so that all students are given opportunities to study a variety of world dance traditions through exposure to physical practice and observation as well as written investigation. The curriculum draws on a wide range of dance cultures that reflect varied histories, practices and aesthetics. Internal Assessment: (40%) Performance: One or two dances presented at open showing (solo/group) of three to six minutes External Assessment: (60%) Composition/analysis of two works, Dance investigation- 1,500 words Examination Date: May

IB Film SL Seminar Credit(s): Level: Standard Grade Level: 11 – 12 Duration: 1 year Prerequisite(s): None Description: Aims to promote an appreciation and understanding of film as a complex art form, an ability to formulate stories and ideas in film terms, the practical/technical skills of production, the critical evaluation of productions and knowledge of film-making traditions in more than one country. Internal Assessment : (50%) Production portfolio: One completed film project with written documentation. Individual documentation required. External Assessment: (50%) Independent study: Rationale, script and list of sources for a short documentary production on an aspect of film theory and/or film history, based on a minimum of two films originated from more than one country. Presentation: Oral presentation of a detailed critical analysis of a continuous extract from a prescribed film. Examination Date: May following completion of Film SL	453D00HW 1 unit	IB Theatre SL Seminar Credit(s): Level: Standard Grade Level: 11 – 12 Duration: 1 year Prerequisite(s): Previous theatre training Description: This course is designed to encourage students to examine theatre in its diversity of forms around the world. This may be achieved through a critical study of the theory, history and culture of theatre. The theatre course emphasizes the importance of working individually and as a member of an ensemble. Internal Assessment: (50%) Theatre performance and production presentation (20 minute oral presentation with 5-7 images) Independent project portfolio, 2,000 words from core of syllabus External Assessment: (50%) Research investigation of 1,500-1,750 words with supporting visual materials, Practical performance proposal of 250 words with supporting visual materials Examination Date: May following completion of IB Theatre SL.	452D00HW 1 unit
IB Film SL Credit(s): Level: Standard Grade Level: 11 – 12 Duration: 1 year Prerequisite(s): IB Film Seminar SL Description: Aims to promote an appreciation and understanding of film as a complex art form, an ability to formulate stories and ideas in film terms, the practical/technical skills of production, the critical evaluation of productions and knowledge of film-making traditions in more than one country. Internal Assessment: (50%) Production portfolio: One completed film project with written documentation. Individual documentation required. External Assessment: (50%) Independent study: Rationale, script and list of sources for a short documentary production on an aspect of film theory and/or film history, based on a minimum of two films originated from more than one country. Presentation: Oral presentation of a detailed critical analysis of a continuous extract from a prescribed film. Examination Date: May	453A12IW 1 unit	IB Theatre SL Credit(s): Level: Standard Grade Level: 11 – 12 Duration: 1 year Prerequisite(s): IB Theatre Seminar Description: This course is designed to encourage students to examine theatre in its diversity of forms around the world. This may be achieved through a critical study of the theory, history and culture of theatre. The theatre course emphasizes the importance of working individually and as a member of an ensemble. Internal Assessment: (50%) Theatre performance and production presentation (20 minute oral presentation with 5-7 images) Independent project portfolio, 2,000 words from core of syllabus External Assessment (50%) Research investigation of 1,500-1,750 words with supporting visual materials, Practical performance proposal of 250 words with supporting visual materials Examination Date: May	452A12IW 1 unit
IB Music SL Seminar Credit(s): Level: Standard Grade Level: 11 – 12 Duration: 1 year Prerequisite(s): Previous musical training Description: Students are encouraged to engage with music from different times, places and cultures, critically appraise music, use musical terminology, develop techniques for comparative analysis, develop investigative thinking skill, learn to perform, work both independently and collaboratively and to develop reflection techniques. Internal Assessment: (50%) Solo, group performances External Assessment: (50%) Paper 1: (2.25 hrs) Five musical perception questions Musical Investigation Examination Date: May following completion of IB Music SL	356D00HW 1 unit	IB Theatre HL-1 Credit(s): Level: Higher Grade Level: 11 Duration: 2 years (1st in a two-year sequence) Prerequisite(s): Previous theatre training Description: This course is designed to encourage students to examine theatre in its diversity of forms around the world. This may be achieved through a critical study of the theory, history and culture of theatre. The theatre course emphasizes the importance of working individually and as a member of an ensemble. At the core of the theatre course lies a concern with clarity of understanding, critical thinking, reflective analysis, effective involvement and imaginative synthesis—all of which should be achieved through practical engagement in theatre. Internal Assessment: See IB Theatre HL-1 External Assessment: See IB Theatre HL-2 Examination Date: May of 12th grade year	452B01IW 1 unit
IB Music SL Credit(s): Level: Standard Grade Level: 11 – 12 Duration: 1 year Prerequisite(s): IB Music Seminar Description: Students are encouraged to engage with music from different times, places and cultures, critically appraise music, use musical terminology, develop techniques for comparative analysis, develop investigative thinking skill, learn to perform, work both independently and collaboratively and to develop reflection techniques. Internal Assessment: (50%) Solo, group performances External Assessment: (50%) Paper 1: (2.25 hrs) Five musical perception questions, Musical Investigation Examination Date: May	356A12IW 1 unit	IB Theatre HL-2 Credit(s): Level: Higher Grade Level: 12 Duration: 2 years (2nd in a two-year sequence) Prerequisite(s): IB Theatre HL -1 Description: This course is designed to encourage students to examine theatre in its diversity of forms around the world. This may be achieved through a critical study of the theory, history and culture of theatre. The theatre course emphasizes the importance of working individually and as a member of an ensemble. At the core of the theatre course lies a concern with clarity of understanding, critical thinking, reflective analysis, effective involvement and imaginative synthesis—all of which should be achieved through practical engagement in theatre Internal Assessment (50%) Theatre performance and production presentation (30 minute oral presentation with 7-10 images) Independent project portfolio 3,000 words from core of syllabus on independent project (either option A or option B) and its connection to	452C02IW 1 unit

experiences in the core syllabus

External Assessment (50%) Research investigation of 2,000-2,500 words with supporting visual materials

Practical performance proposal of 250 words with supporting visual materials

Examination Date: May.

IB Visual Arts SL Seminar

351E00HW

Credit(s):

1 unit

Level: Standard

Grade Level: 11 – 12

Duration: 1 year

Prerequisite(s): Previous art training

Description: Enables students to engage in both practical exploration and artistic production, and in independent contextual, visual and critical investigation. Two options are available.

Internal Assessment: Option A: Investigation workbook (40%)

Option B: Studio work (40%)

External Assessment: Option A: Studio work (60%)

Option B: Investigation workbook (60%)

Examination Date: Electronic portfolio submission in April (No written exams during the May examination session.).

IB Visual Arts SL

351B12IW

Credit(s):

1 unit

Level: Standard

Grade Level: 11 – 12

Duration: 1 year

Prerequisite(s): Previous art training

Description: Enables students to engage in both practical exploration and artistic production, and in independent contextual, visual and critical investigation. Two options are available.

Internal Assessment: Option A: Investigation workbook (40%)

Option B: Studio work (40%)

External Assessment: Option A: Studio work (60%)

Option B: Investigation workbook (60%)

Examination Date: Electronic portfolio submission in April (No written exams during the May examination session.).

IB Visual Arts HL-1

351C01IW

Credit(s):

1 unit

Level: Higher

Grade Level: 11

Duration: 2 years (1st in a two-year sequence)

Prerequisite(s): Previous art training preferred

Description: Enables students to engage in both practical exploration and artistic production, and in independent contextual, visual and critical investigation. Two options are available. HL students have more time to develop ideas and skills and to produce a larger body of work and of greater depth.

Internal Assessment: See IB Visual Arts HL-2

External Assessment: See IB Visual Arts HL-2

Examination Date: Electronic portfolio submission in April (No written exams during the May examination session.).

IB Visual Arts HL-2

351D02IW

Credit(s):

1 unit

Level: Higher

Grade Level: 12

Duration: 2 years (2nd in a two-year sequence)

Prerequisite(s): IB Visual Arts HL-1

Description: Enables students to engage in both practical exploration and artistic production, and in independent contextual, visual and critical investigation. Two options are available. HL students have more time to develop ideas and skills and to produce a larger body of work and of greater depth.

Internal Assessment: Option A: Investigation workbook (40%)

Option B: Studio work (40%)

External Assessment: Option A: Studio work (60%)

Option B: Investigation workbook (60%)

Examination Date: Electronic portfolio submission in April (No written exams during the May examination session)

Transdisciplinary Subjects

IB Environmental Systems SL Seminar

326B00HW

Credit(s):

1 unit

Level: Standard

Grade Level: 11 – 12

Duration: 2 years (first of a two-year sequence)

Prerequisite: None

Description: The study of the environment is essential to the IB student in order to understand and interact with predicted changes in the environmental systems. The course description includes analysis of such subjects as, data on dog whelks, density-dependent factors and heron population, comparison of fish and mussel farms, and energy flow and species numbers. Added also are the study of human population, atmospheric changes, measurements in field work, succession on Krakatoa, NPP and physical conditions in ecosystem, distribution of organism, and alternative energy sources. In addition to the above subjects, options for study of a biotic and biotic factors affecting distribution in an ecosystem, measurements of biomass, primary and secondary productivity, and species diversity index.

Internal assessment: See SL course

External assessment: See SL course

Examination Date: May

IB Environmental Systems SL

326A12IW

Credit(s):

1 unit

Level: Standard

Grade Level: 11 – 12

Duration: 2 years (second of a two-year sequence)

Prerequisite: None

Description: The study of the environment is essential to the IB student in order to understand and interact with predicted changes in the environmental systems. The course description includes analysis of such subjects as, data on dog whelks, density-dependent factors and heron population, comparison of fish and mussel farms, and energy flow and species numbers. Added also are the study of human population, atmospheric changes, measurements in field work, succession on Krakatoa, NPP and physical conditions in ecosystem, distribution of organism, and alternative energy sources. In addition to the above subjects, options for study of a biotic and biotic factors affecting distribution in an ecosystem, measurements of biomass, primary and secondary productivity, and species diversity index.

Internal assessment: 20% Practical Work

External assessment: 80% Paper 1 30% short-answered and data-based questions Paper 2 50% analysis of data, 2 essay questions of 4

Examination Date: May

IB Computer Science SL Seminar

471D00HW

Credit(s):

1 unit

Level: Standard

Grade Level: 11 – 12

Duration: 1 year

Prerequisite(s): IB Candidate

Description: Diploma Programme computer science students should become aware of how computer scientists work and communicate with each other and with other stakeholders in the successful development and implementation of IT solutions. While the methodology used to solve problems in computer science may take a wide variety of forms, the group 4 computer science course emphasizes the need for both a theoretical and practical approach.

Internal Assessment: See IB Computer Science SL

External Assessment: See IB Computer Science SL

Examination Date: May after completion of IB Computer Science SL

IB Computer Science SL

471A01IW

Credit(s):

1 unit

Level: Standard

Grade Level: 11 – 12

Duration: 1 year

Prerequisite(s): IB Computer Science SL Seminar

Description: Diploma Programme computer science students should become aware of how computer scientists work and communicate with

each other and with other stakeholders in the successful development and implementation of IT solutions. While the methodology used to solve problems in computer science may take a wide variety of forms, the group 4 computer science course emphasizes the need for both a theoretical and practical approach.

Internal Assessment: (30%) Development of a computational solution, Group 4 project

External Assessment: (70%) Paper 1: short answer and structured questions 45%, Paper 2: Examination Paper linked to the option studied 25%

Examination Date: May

IB Computer Science HL-1

471B02IW
1 unit

Credit(s):

Level: Higher

Grade Level: 11 – 12

Duration: 1 year

Prerequisite(s): IB Candidate and Coordinator Approval

Description: Diploma Programme computer science students should become aware of how computer scientists work and communicate with each other and with other stakeholders in the successful development and implementation of IT solutions. While the methodology used to solve problems in computer science may take a wide variety of forms, the group 4 computer science course emphasizes the need for both a theoretical and practical approach.

Internal Assessment: See IB Computer Science HL-I

External Assessment: See IB Computer Science HL-II

Examination Date: May after completion of IB Computer Science HL-II

IB Computer Science HL-2

471C03IW
1 unit

Credit(s):

Level: Higher

Grade Level: 11 – 12

Duration: 1 year

Prerequisite(s): IB Computer Science HL-1

Description: Diploma Programme computer science students should become aware of how computer scientists work and communicate with each other and with other stakeholders in the successful development and implementation of IT solutions. While the methodology used to solve problems in computer science may take a wide variety of forms, the group 4 computer science course emphasizes the need for both a theoretical and practical approach.

Internal Assessment: (20%) Development of a computational solution, Group 4 Project

External Assessment: (80%) Paper 1: short answer and structured questions 40%, Paper 2: Examination Paper linked to the option studied 20%, Paper 3: 20% 4 Compulsory Questions

Examination Date: May

INTERNATIONAL BACCALAUREATE DIPLOMA PROGRAM ADDITIONAL REQUIREMENTS

IB Theory of Knowledge I

373A00HH
½ unit

Credit(s):

Level: N/A

Grade Level: 11

Duration: 1 year (the first of a two-year sequence)

Prerequisite(s): Enrollment as an IB Diploma Candidate

Description: Designed to encourage each student to reflect on the nature of knowledge by critically examining different ways of knowing (perception, emotion, language and reason) and different kinds of knowledge (scientific, artistic, mathematical and historical).

Internal Assessment: See Theory of Knowledge-2

External Assessment: See Theory of Knowledge-2

Examination Date: N/A

IB Theory of Knowledge II

373B00HH
½ unit

Credit(s):

Level: N/A

Grade Level: 12

Duration: 1 year (the second of a two-year sequence)

Prerequisite(s): Theory of Knowledge-1, enrollment as an IB Diploma Candidate

Description: Designed to encourage each student to reflect on the nature of knowledge by critically examining different ways of knowing (perception, emotion, language and reason) and different kinds of knowledge (scientific, artistic, mathematical and historical).

Internal Assessment: One presentation to class, one written presentation

External Assessment: Essay on prescribed title (1,000-1,600 words)

Examination Date: NA

IB Extended Essay

373C00HH
½ unit

Credit(s):

Level: N/A

Grade Level: 12

Duration: 1 year

Prerequisite(s): Enrollment as an IB Diploma Candidate

Description: The Extended Essay requires that a student engage in independent research.

Internal Assessment: Meeting the deadlines of Extended Essay and CAS is the high priority in this course. Scheduled meetings with EE/CAS Supervisors are required.

External Assessment: Extended Essay Due Date: Rough Draft-April of 11th grade year, Final Essay-Late September of 12th grade year

Examination Date: N/A

IB Creativity, Action, Service

373D00HH
½ unit

Credit(s):

Level: N/A

Grade Level: 11 – 12

Duration: 1 year

Prerequisite(s): Enrollment as an IB Diploma or IBCC Candidate

Description: Creativity, Action, and Service: Requires that students actively learn from the experiences beyond the classroom. Activities should be selected as they relate to eight learner outcomes and represent approximately 150 hours of interaction.

Internal Assessment: Meeting the deadlines CAS is the high priority in this course. Scheduled meetings with CAS Supervisors are required. CAS activities target eight learner outcomes.

External Assessment: 150 hours practicing the eight learner outcomes.

Examination Date: N/A

Approaches to Learning Seminar

379903CH
½ unit

Credit(s):

Level: N/A

Grade Level: 11

Duration: 1 year (the first of a two-year sequence)

Prerequisite(s): IBCC enrollment

Description: Designed to introduce students to life-skills. At the heart of the ATL model is the learner who uses a range of skills to make sense of the world around us and develops skills with the emphasis on thinking critically and ethically and communicating effectively.

Internal Assessment: See Approaches to Learning

External Assessment: See Approaches to Learning

Examination Date: N/A

Approaches to Learning (ATL)

339902CH
½ unit

Credit(s):

Level: N/A

Grade Level: 12

Duration: 1 year (the second of a two-year sequence)

Prerequisite(s): Approaches to Learning Seminar, IBCC Candidate

Description: Designed to build upon and enhance students to life-skills started in ATL-1. At the heart of the ATL model is the learner who uses a range of skills to make sense of the world around us and develops skills with the emphasis on thinking critically and ethically and communicating effectively.

Internal Assessment: One presentation to class, one written presentation

External Assessment: Reflective Project (Research project with an ethical focus 3,000 word minimum)

Examination Date: N/A

WORLD LANGUAGE

Six years of French, Spanish, and Latin and four years of German and Chinese are offered for high school credit. Students planning to attend a public college or university in South Carolina must have completed a minimum of two or three units of the same world language. It is strongly recommended that all college bound students complete three to four units of the same world language.

All world language courses are performance-based in three modes of communication: interpretive, interpersonal, and presentational. Learners accomplish real-world communicative tasks in culturally appropriate ways as they gain familiarity with products, practices, perspectives, and interactions of and within the target culture(s).

Chinese 1 **461101CW**
Grades: 9 – 12 **1 unit**
Prerequisite: None

This course is designed as an introduction to the Chinese language and culture using an eclectic approach to language learning. As suggested within the South Carolina World Languages Framework and the South Carolina Standard for World Language Proficiency, this course integrates the three competencies for world language education: Interpretive Listening and Reading, Interpersonal Communication, and Presentational Speaking and Writing. Students will be engaged in activities that stimulate communication, promote critical thinking, and enhance their communicative ability in the language studied as well as their cultural awareness.

ACTFL Proficiency scale (Novice-Low to Novice-Mid Range)

Chinese 2 **461202CW**
Grades: 10 – 12 **1 unit**
Prerequisite: Chinese 1

This course is a sequel to Chinese 1. An eclectic approach to language learning will be used. As suggested within the South Carolina World Languages Framework and the South Carolina Standard for World Language Proficiency, this course integrates the three competencies for world language education: Interpretive Listening and Reading, Interpersonal Communication, and Presentational Speaking and Writing. Students will be engaged in activities that stimulate communication, promote critical thinking, and enhance their communicative ability in the language studied as well as their cultural awareness.

ACTFL Proficiency scale (Novice-Mid to Novice-High Range)

Chinese 3 **461303CW**
Grades: 11 – 12 **1 unit**
Prerequisite: Chinese 2

This course is a sequel to Chinese 2. An eclectic approach to language learning will be used. As suggested within the South Carolina World Languages Framework and the South Carolina Standard for World Language Proficiency, this course integrates the three competencies for world language education: Interpretive Listening and Reading, Interpersonal Communication, and Presentational Speaking and Writing. Students will be engaged in activities that stimulate communication, promote critical thinking, and enhance their communicative ability in the language studied as well as their cultural awareness. The third year student will be able to understand the topic and main idea in authentic materials, understand simple questions and answers and understand simple communications dealing with familiar topics. The student will be able to write original texts and questions to fulfill practical needs and write original notes and compositions. ACTFL Proficiency scale (Novice-High to Intermediate-Low Range)

Chinese 3 Honors **461303HW**
Grades: 12 **1 unit**
Prerequisite: Teacher recommendation – Grade higher than 80 in Chinese 2

This course is a sequel to Chinese 2. An eclectic approach to language learning will be used. As suggested within the South Carolina World Languages Framework and the South Carolina Standard for World Language Proficiency, this course integrates the three competencies for world language education: Interpretive Listening and Reading, Interpersonal Communication, and Presentational Speaking and Writing. Students will be engaged in activities that stimulate communication,

promote critical thinking, and enhance their communicative ability in the language studied as well as their cultural awareness. The third year student will be able to understand the topic and main idea in authentic materials, understand simple questions and answers and understand simple communications dealing with familiar topics. The student will be able to write original texts and questions to fulfill practical needs and write original notes and compositions. ACTFL Proficiency scale (Novice-High to Intermediate-Low Range)

Chinese 4 Honors **461404HW**
Grades: 12 **1 unit**

Prerequisite: Teacher recommendation – Grade higher than 80 in Chinese 3 Honors

This course is a sequel to Chinese III. An eclectic approach to language learning will be used. As suggested within the South Carolina World Languages Framework and the South Carolina Standard for World Language Proficiency, this course integrates the three competencies for world language education: Interpretive Listening and Reading, Interpersonal Communication, and Presentational Speaking and Writing. Students will be engaged in activities that stimulate communication, promote critical thinking, and enhance their communicative ability in the language studied as well as their cultural awareness. The fourth year student will be able to draw conclusions and make inferences from print and non-print materials dealing with familiar topics. The student will be able to ask questions, narrate and describe in original sentences, participate in casual conversations, give instructions and compose simple reports.

ACTFL Proficiency scale (Intermediate Low Range)

French Production and Communication **369921CW**
Grades: 9 - 11 **1 unit**

Prerequisite: None

This course is an introductory level to French Language Learning. An eclectic approach to language learning will be used. As suggested within the South Carolina World Languages Framework and the South Carolina Standard for World Language Proficiency, this course integrates the three competencies for world language education: Interpretive Listening and Reading, Interpersonal Communication, and Presentational Speaking and Writing. Students will be engaged in activities that stimulate communication, promote critical thinking, and enhance their literacy skills as well as their global cultural awareness.

ACTFL Proficiency scale (Novice-Low to Novice-Mid Range)

French 1 **361101CW**
Grades: 9 – 10 **1 unit**

Prerequisite: French Production and Communication and/or Teacher recommendation

This course is designed as a sequel to French Production and communication. An eclectic approach to language learning will be used. As suggested within the South Carolina World Languages Framework and the South Carolina Standard for World Language Proficiency, this course integrates the three competencies for world language education: Interpretive Listening and Reading, Interpersonal Communication, and Presentational Speaking and Writing. Students will be engaged in activities that stimulate communication, promote critical thinking, and enhance their communicative ability in the language studied as well as their cultural awareness.

ACTFL Proficiency scale (Novice-Low to Novice-Mid Range)

French 2 **361202CW**
Grades: 9 – 11 **1 unit**

Prerequisite: French I

This course is a sequel to French 1. An eclectic approach to language learning will be used. As suggested within the South Carolina World Languages Framework and the South Carolina Standard for World Language Proficiency, this course integrates the three competencies for world language education: Interpretive Listening and Reading, Interpersonal Communication, and Presentational Speaking and Writing. Students will be engaged in activities that stimulate communication, promote critical thinking, and enhance their communicative ability in the language studied as well as their cultural awareness.

ACTFL Proficiency scale (Novice-High to Intermediate-Low Range)

French 3 Grades: 9 – 12 Prerequisite: French 2 This course is designed to offer students who have completed at least two units of French an opportunity to continue their language study. Through this course, students will improve their conversation skills and their written expression. An eclectic approach to language learning will be used. As suggested within the South Carolina World Languages Framework and the South Carolina Standard for World Language Proficiency, this course integrates the three competencies for world language education: Interpretive Listening and Reading, Interpersonal Communication, and Presentational Speaking and Writing. Students will be engaged in activities that stimulate communication, promote critical thinking, and enhance their communicative ability in the language studied as well as their cultural awareness. ACTFL Proficiency scale (Intermediate Low-Mid Range)	361303CW 1 unit	enhance their communicative ability in the language studied as well as their cultural awareness. The instructor will also use a variety of authentic poetry, short stories, art, music, films and other media to provide for the students' linguistic and cultural enrichment. ACTFL Proficiency scale (Intermediate-Mid Range. Some may begin to demonstrate Intermediate-High characteristics in some of the modes)
French 3 Honors Grades: 9 – 12 Prerequisite: Teacher recommendation – Grade higher than 80 in French 2 This course is designed to offer students who have completed at least two units of French an opportunity to continue their language study. Through this course, students will improve their conversation skills and their written expression. An eclectic approach to language learning will be used. As suggested within the South Carolina World Languages Framework and the South Carolina Standard for World Language Proficiency, this course integrates the three competencies for world language education: Interpretive Listening and Reading, Interpersonal Communication, and Presentational Speaking and Writing. Students will be engaged in activities that stimulate communication, promote critical thinking, and enhance their communicative ability in the language studied as well as their cultural awareness. The third year honor student will be able to understand the topic and main idea in authentic materials; understand simple questions and answers and understand simple communications dealing with familiar topics. The student will be able to write original sentences and questions to fulfill practical needs and write original notes and compositions. ACTFL Proficiency scale (Intermediate Mid Range)	361303HW 1 unit	AP French Grade: 12 Prerequisite: French V Honors - Teacher approval College Board AP French is designed for advanced students and provides an in-depth study of French grammar and literature. Students will read and analyze works from classic French literature. Students are required to take the Advanced Placement Examination. Participating colleges and universities grant credit and/or appropriate placement on the basis of exam scores.
French 4 Honors Grades: 10 – 12 Prerequisite: Teacher recommendation – Grade higher than 80 in French 3 Honors This course is a sequel to French 3 Honors. An eclectic approach to language learning will be used. As suggested within the South Carolina World Languages Framework and the South Carolina Standard for World Language Proficiency, this course integrates the three competencies for world language education: Interpretive Listening and Reading, Interpersonal Communication, and Presentational Speaking and Writing. Students will be engaged in activities that stimulate communication, promote critical thinking, and enhance their communicative ability in the language studied as well as their cultural awareness. The fourth year student will be able to draw conclusions and make inferences from print and non-print materials dealing with familiar topics. The student will be able to ask questions, narrate and describe in original sentences, participate in casual conversations, give instructions and compose simple reports. ACTFL Proficiency scale (Intermediate-Mid Range)	361404HW 1 unit	French Composition and Conversation This course is offered at AC Flora and Lower Richland High and will phase out in 2018- 2019. Grades: 9 – 12 Prerequisites: French 2 This course is designed to offer students who have completed at least two units of French an opportunity to continue their language study. Through this course, students will improve their conversation skills and their written expression. As suggested within the South Carolina Foreign Language Framework, the instructor will use communication-based strategies. The instructor will also use a variety of print and non-print authentic materials to engage students in activities designed to enhance their communication skills in settings that simulate, as much as possible, real-life situations.
French 5 Honors Grades: 11 – 12 Prerequisite: Teacher recommendation – Grade higher than 80 in French 4 Honors This course is designed to offer students who have successfully completed French 4 Honors the opportunity to continue their language study. An eclectic approach to language learning will be used. As suggested within the South Carolina World Languages Framework and the South Carolina Standard for World Language Proficiency, this course integrates the three competencies for world language education: Interpretive Listening and Reading, Interpersonal Communication, and Presentational Speaking and Writing. Students will be engaged in activities that stimulate communication, promote critical thinking, and enhance their communicative ability in the language studied as well as their cultural awareness. The third year honor	361505HW 1 unit	German 1 Grades: 9 – 12 Prerequisite: None This course is designed as an introduction to the German language. An eclectic approach to language learning will be used. As suggested within the South Carolina World Languages Framework and the South Carolina Standard for World Language Proficiency, this course integrates the three competencies for world language education: Interpretive Listening and Reading, Interpersonal Communication, and Presentational Speaking and Writing. Students will be engaged in activities that stimulate communication, promote critical thinking, and enhance their communicative ability in the language studied as well as their cultural awareness. ACTFL Proficiency scale (Novice-Low to Novice-Mid Range)
		German 2 Grades: 10 – 12 Prerequisite: German 1 This course is a sequel to German 1. An eclectic approach to language learning will be used. As suggested within the South Carolina World Languages Framework and the South Carolina Standard for World Language Proficiency, this course integrates the three competencies for world language education: Interpretive Listening and Reading, Interpersonal Communication, and Presentational Speaking and Writing. Students will be engaged in activities that stimulate communication, promote critical thinking, and enhance their communicative ability in the language studied as well as their cultural awareness. ACTFL Proficiency scale (Novice-High to Intermediate-Low Range)
		German 3 Grades: 10 – 12 Prerequisite: German 2 This course is a sequel to German 2. An eclectic approach to language learning will be used. As suggested within the South Carolina World Languages Framework and the South Carolina Standard for World Language Proficiency, this course integrates the three competencies for world language education: Interpretive Listening and Reading, Interpersonal Communication, and Presentational Speaking and Writing. Students will be engaged in activities that stimulate communication, promote critical thinking, and enhance their communicative ability in the language studied as well as their cultural awareness. The third year honor

student will be able to understand the topic and main idea in authentic materials; understand simple questions and answers and understand simple communications dealing with familiar topics. The student will be able to write original sentences and questions to fulfill practical needs and write original notes and compositions. ACTFL Proficiency scale (Intermediate Mid Range)

German 3 Honors **362303HW**
Grades: 10 – 12 **1 unit**
Prerequisite: Teacher recommendation – Grade higher than 80 in German 2

This course is a sequel to German 2. An eclectic approach to language learning will be used. As suggested within the South Carolina World Languages Framework and the South Carolina Standard for World Language Proficiency, this course integrates the three competencies for world language education: Interpretive Listening and Reading, Interpersonal Communication, and Presentational Speaking and Writing. Students will be engaged in activities that stimulate communication, promote critical thinking, and enhance their communicative ability in the language studied as well as their cultural awareness. The third year honor student will be able to understand the topic and main idea in authentic materials; understand simple questions and answers and understand simple communications dealing with familiar topics. The student will be able to write original sentences and questions to fulfill practical needs and write original notes and compositions. ACTFL Proficiency scale (Intermediate Mid Range)

German 4 Honors **362404HW**
Grades: 10 – 12 **1 unit**
Prerequisite: Teacher recommendation – Grade higher than 80 in German 3 Honors

This course is a sequel to German 3 Honors. An eclectic approach to language learning will be used. As suggested within the South Carolina World Languages Framework and the South Carolina Standard for World Language Proficiency, this course integrates the three competencies for world language education: Interpretive Listening and Reading, Interpersonal Communication, and Presentational Speaking and Writing. Students will be engaged in activities that stimulate communication, promote critical thinking, and enhance their communicative ability in the language studied as well as their cultural awareness. The fourth year student will be able to draw conclusions and make inferences from print and non-print materials dealing with familiar topics. The student will be able to ask questions, narrate and describe in original sentences, participate in casual conversations, give instructions and compose simple reports. ACTFL Proficiency scale (Intermediate-Mid Range)

Latin Production and Communication **369931CW**
Grades: 9-12 **1 unit**
Prerequisite: None

This course is an introductory level to Latin Language Learning. An eclectic approach to language learning will be used. As suggested within the South Carolina World Languages Framework and the South Carolina Standard for World Language Proficiency, this course integrates the three competencies for world language education: Interpretive Listening and Reading, Interpersonal Communication, and Presentational Speaking and Writing. Students will be engaged in activities that stimulate communication, promote critical thinking, and enhance their literacy skills as well as their global cultural awareness. ACTFL Proficiency scale (Novice-Low to Novice-Mid Range)

Latin 1 **363101CW**
Grades: 9 – 12 **1 unit**
Prerequisite: Latin Production and Communication and/or Teacher recommendation

This course is a sequel of Latin Production and Communication. An eclectic approach to language learning will be used. As suggested within the South Carolina World Languages Framework and the South Carolina Standard for World Language Proficiency, this course integrates the three competencies for world language education: Interpretive Listening and Reading, Interpersonal Communication, and Presentational Speaking and Writing. Students will be engaged in activities that stimulate communication, promote critical thinking, and enhance their

communicative ability in the language studied as well as their cultural awareness.

ACTFL Proficiency scale (Novice-Low to Novice-Mid Range)

Latin 2 **363202CW**
Grades: 9 – 11 **1 unit**
Prerequisite: Latin 1

This course is a sequel to Latin 1. An eclectic approach to language learning will be used. As suggested within the South Carolina World Languages Framework and the South Carolina Standard for World Language Proficiency, this course integrates the three competencies for world language education: Interpretive Listening and Reading, Interpersonal Communication, and Presentational Speaking and Writing. Students will be engaged in activities that stimulate communication, promote critical thinking, and enhance their communicative ability in the language studied as well as their cultural awareness. ACTFL Proficiency scale (Novice-High to Intermediate-Low Range)

Latin 3 **363303CW**
Grades: 9 – 12 **1 unit**
Prerequisite: Latin 2

This course is a sequel to Latin 2. An eclectic approach to language learning will be used. As suggested within the South Carolina World Languages Framework and the South Carolina Standard for World Language Proficiency, this course integrates the three competencies for world language education: Interpretive Listening and Reading, Interpersonal Communication, and Presentational Speaking and Writing. Students will be engaged in activities that stimulate communication, promote critical thinking, and enhance their communicative ability in the language studied as well as their cultural awareness. ACTFL Proficiency scale (Intermediate Low-Mid Range)

Latin 3 Honors **363303HW**
Grades: 9 – 12 **1 unit**
Prerequisite: Teacher recommendation – Grade higher than 80 in Latin 2

This course is a sequel to Latin 2. An eclectic approach to language learning will be used. As suggested within the South Carolina World Languages Framework and the South Carolina Standard for World Language Proficiency, this course integrates the three competencies for world language education: Interpretive Listening and Reading, Interpersonal Communication, and Presentational Speaking and Writing. Students will be engaged in activities that stimulate communication, promote critical thinking, and enhance their communicative ability in the language studied as well as their cultural awareness. The third year honor student will be able to understand the topic and main idea in authentic materials; understand simple questions and answers and understand simple communications dealing with familiar topics. The student will be able to write original sentences and questions to fulfill practical needs and write original notes and compositions. ACTFL Proficiency scale (Intermediate Mid Range)

Latin 4 Honors **363404HW**
Grades: 10 – 12 **1 unit**
Prerequisite: Teacher recommendation – Grade higher than 80 in Latin 3 Honors

This course is a sequel to Latin 3 Honors. An eclectic approach to language learning will be used. As suggested within the South Carolina World Languages Framework and the South Carolina Standard for World Language Proficiency, this course integrates the three competencies for world language education: Interpretive Listening and Reading, Interpersonal Communication, and Presentational Speaking and Writing. Students will be engaged in activities that stimulate communication, promote critical thinking, and enhance their understanding of the literature of ancient Rome, and their linguistic and cultural awareness. The fourth year student will be able to draw conclusions and make inferences from print and non-print materials dealing with familiar topics. The student will be able to ask questions, narrate and describe in original sentences, participate in casual conversations, give instructions and compose simple reports. ACTFL Proficiency scale (Intermediate-Mid Range)

<p>Latin 5 Honors Grades: 11 – 12 363605HW 1 unit Prerequisite: Teacher recommendation – Grade higher than 80 in Latin 4 Honors</p> <p>This course is designed to offer students who have successfully completed Latin 4 Honors the opportunity to continue their language study. An eclectic approach to language learning will be used. As suggested within the South Carolina World Languages Framework and the South Carolina Standard for World Language Proficiency, this course integrates the three competencies for world language education: Interpretive Listening and Reading, Interpersonal Communication, and Presentational Speaking and Writing. Students will be engaged in activities that stimulate communication, promote critical thinking, and enhance their communicative ability in the language studied as well as their cultural awareness. The instructor will also use a variety of authentic poetry, short stories, art, music, films and other media to provide for the students' linguistic and cultural enrichment.</p> <p>ACTFL Proficiency scale (Intermediate-Mid Range. Some may begin to demonstrate Intermediate-High characteristics in some of the modes)</p>	<p>Spanish 3 Grades: 9 – 12 365303CW 1 unit Prerequisite: Spanish 2</p> <p>This course is a sequel to Spanish 2. An eclectic approach to language learning will be used. As suggested within the South Carolina World Languages Framework and the South Carolina Standard for World Language Proficiency, this course integrates the three competencies for world language education: Interpretive Listening and Reading, Interpersonal Communication, and Presentational Speaking and Writing. Students will be engaged in activities that stimulate communication, promote critical thinking, and enhance their communicative ability in the language studied as well as their cultural awareness.</p> <p>ACTFL Proficiency scale (Intermediate Low-Mid Range)</p>
<p>Advanced Placement Latin - Vergil Grades: 12 367406AW 1 unit Prerequisite: Latin 5 Honors - Teacher approval</p> <p>AP Latin (Vergil) In AP Latin - Vergil, students read and analyze works from Vergil's Aeneid, scan hexameter verse, relate passages of the Aeneid to its historical background, and critically analyze selected passages. Students are required to take the Advanced Placement Examination. Participating colleges and universities grant credit and/or appropriate placement on the basis of exam scores.</p>	<p>Spanish 3 Honors Grades: 9 – 12 365303HW 1 unit Prerequisite: Teacher recommendation – Grade higher than 80 in Spanish 2</p> <p>This course is a sequel to Spanish 2. An eclectic approach to language learning will be used. As suggested within the South Carolina World Languages Framework and the South Carolina Standard for World Language Proficiency, this course integrates the three competencies for world language education: Interpretive Listening and Reading, Interpersonal Communication, and Presentational Speaking and Writing. Students will be engaged in activities that stimulate communication, promote critical thinking, and enhance their communicative ability in the language studied as well as their cultural awareness. The third year student will be able to understand the topic and main idea in authentic materials, understand simple questions and answers, and understand simple communications dealing with familiar topics. The student will be able to write original sentences and questions to fulfill practical needs and write original notes and compositions.</p> <p>ACTFL Proficiency scale (Intermediate Mid Range)</p>
<p>Spanish Production and Communication Grades: 9 – 11 369941CW 1 unit Prerequisite: None</p> <p>This course is an introductory level to Spanish Language Learning. An eclectic approach to language learning will be used. As suggested within the South Carolina World Languages Framework and the South Carolina Standard for World Language Proficiency, this course integrates the three competencies for world language education: Interpretive Listening and Reading, Interpersonal Communication, and Presentational Speaking and Writing. Students will be engaged in activities that stimulate communication, promote critical thinking, and enhance their literacy skills as well as their global cultural awareness.</p> <p>ACTFL Proficiency scale (Novice-Low to Novice-Mid Range)</p>	<p>Spanish 4 Honors Grades: 10 – 12 365404HW 1 unit Prerequisite: Teacher recommendation – Grade higher than 80 in Spanish 3 Honors</p> <p>This course is a sequel to Spanish 3 Honors. An eclectic approach to language learning will be used. As suggested within the South Carolina World Languages Framework and the South Carolina Standard for World Language Proficiency, this course integrates the three competencies for world language education: Interpretive Listening and Reading, Interpersonal Communication, and Presentational Speaking and Writing. Students will be engaged in activities that stimulate communication, promote critical thinking, and enhance their communicative ability in the language studied as well as their cultural awareness. The fourth year student will be able to draw conclusions and make inferences from print and non-print materials dealing with familiar topics. The student will be able to ask questions, narrate and describe in original sentences, participate in casual conversations, give instructions and compose simple reports.</p> <p>88 ACTFL Proficiency scale (Intermediate-Mid Range)</p>
<p>Spanish 1 Grades: 9 – 10 365101CW 1 unit Prerequisite: Spanish Production and Communication and/or Teacher recommendation</p> <p>This course is designed as a sequel to Spanish Production and communication. An eclectic approach to language learning will be used. As suggested within the South Carolina World Languages Framework and the South Carolina Standard for World Language Proficiency, this course integrates the three competencies for world language education: Interpretive Listening and Reading, Interpersonal Communication, and Presentational Speaking and Writing. Students will be engaged in activities that stimulate communication, promote critical thinking, and enhance their communicative ability in the language studied as well as their cultural awareness.</p> <p>ACTFL Proficiency scale (Novice-Low to Novice-Mid Range)</p>	<p>Spanish 5 Honors Grades: 11 – 12 365505HW 1 unit Prerequisite: Teacher recommendation – Grade higher than 80 in Spanish 4 Honors</p> <p>This course is designed to offer students who have successfully completed Spanish 4 Honors the opportunity to continue their language study. An eclectic approach to language learning will be used. As suggested within the South Carolina World Languages Framework and the South Carolina Standard for World Language Proficiency, this course integrates the three competencies for world language education: Interpretive Listening and Reading, Interpersonal Communication, and Presentational Speaking and Writing. Students will be engaged in activities that stimulate communication, promote critical thinking, and enhance their communicative ability in the language studied as well as their cultural awareness. The instructor will also use a variety of authentic poetry, short stories, art, music, films and other media to provide for the students' linguistic and cultural enrichment.</p> <p>ACTFL Proficiency scale (Intermediate-Mid Range. Some may begin to demonstrate Intermediate-High characteristics in some of the modes)</p>
<p>Spanish 2 Grades: 9 – 11 365202CW 1 unit Prerequisite: Spanish 1</p> <p>This course is a sequel to Spanish 1. An eclectic approach to language learning will be used. As suggested within the South Carolina World Languages Framework and the South Carolina Standard for World Language Proficiency, this course integrates the three competencies for world language education: Interpretive Listening and Reading, Interpersonal Communication, and Presentational Speaking and Writing. Students will be engaged in activities that stimulate communication, promote critical thinking, and enhance their communicative ability in the language studied as well as their cultural awareness.</p> <p>ACTFL Proficiency scale (Novice-High to Intermediate-Low Range)</p>	

AP Spanish **367506AW**
Grade: 12 **1 unit**
Prerequisite: Spanish 5 Honors – Teacher Approval
 College Board AP Spanish is designed for advanced students and provides an in-depth study of Spanish language and literature. Students will read and analyze works from classic Spanish literature. Students are required to take the Advanced Placement Examination. Participating colleges and universities grant credit and/or appropriate placement on the basis of exam scores.

Spanish Composition and Conversation **369907CW**
Grades: 9 – 12 **1 unit**
Prerequisite: Spanish 2 – This course is offered at AC Flora and Lower Richland High and will phase out in 2018-2019.

This course is designed to offer students who have completed at least two units of Spanish an opportunity to continue their language study. Through this course, students will improve their conversation skills and their written expression. As suggested within the South Carolina Foreign Language Framework, the instructor will use communication-based strategies. The instructor will also use a variety of print and non-print authentic materials to engage students in activities designed to enhance their communication skills in settings that simulate, as much as possible, real-life situations.

PHYSICAL EDUCATION

The physical education courses in the high school are organized so that students participate in a variety of activities. One unit of ROTC or P.E. 1 is required for graduation.

Physical Education 1 (Required for Graduation) **344100CW**
Grades: 9 **1 unit**
Prerequisite: None

Physical Education 1 meets the graduation requirements for the State Department of Education. The physical education course in the high school is organized so that students participate in a variety of activities. This course meets the South Carolina Academic Standards for Physical Education and is the foundation course for all other physical education courses. One unit of JROTC or P.E. 1 is required for graduation.

PHYSICAL EDUCATION ELECTIVES

Physical Education 2 **344201CW**
Grades: 10-12 **1 unit**
Prerequisite: Physical Education 1

Physical Education 2 is an elective course at the high school level for students who have successfully completed the physical education requirement for graduation.

Physical Education 3: Aerobics **344203CH**
Grades: 10 – 12 **1/2 unit**
Prerequisite: Physical Education 1

Aerobics is an elective course at the high school level for students who have successfully completed the physical education requirement for graduation.

Physical Education 2: Basketball/Aerobics **344224CH**
Grades: 10 – 12 **1/2 unit**
Prerequisite: Physical Education 1

Basketball/Aerobics is an elective course at the high school level for students who have successfully completed the physical education requirement for graduation.

Physical Education 2: Basketball/Weightlifting **344238CH**
Grades: 10 – 12 **1/2 unit**
Prerequisite: Physical Education 1

Basketball/Weightlifting is an elective course at the high school level for students who have successfully completed the physical education requirement for graduation.

Physical Education 2: Individual Sports **344211CH**
Grades: 10 – 12 **1/2 unit**

Prerequisite: Physical Education 1

Individual Sports is an elective course at the high school level for students who have successfully completed the physical education requirement for graduation.

Physical Education 2: Team Sports **344201CH**
Grades: 10 – 12 **1/2 unit**
Prerequisite: Physical Education 1

Team Sports is an elective course at the high school level for students who have successfully completed the physical education requirement for graduation.

Physical Education 2: Weightlifting **344205CH**
Grades: 10 – 12 **1/2 unit**
Prerequisite: Physical Education 1

Weightlifting is an elective course at the high school level for students who have successfully completed the physical education requirement for graduation.

Body Conditioning 1 **349911CW**
Grade: 10 **1 unit**
Prerequisite: Successful completion of Physical Education 1

This course is a beginning level of weight training for males and females who are interested in improving their overall health and fitness levels. This course will be an introduction for most students with a focus on weight training that will also include a continuation of flexibility and cardiovascular fitness from the Personal Fitness and Lifetime Activity curriculum. The points of emphasis will be on students' creating a healthy lifestyle and functional body weight to enjoy physical activities throughout their lifetime. This course is a starting point to gain muscular strength and muscular endurance following a teacher designed program.

Body Conditioning 2 **349912CW**
Grades: 10 – 12 **1 unit**
Prerequisite: Physical Fitness/Body Conditioning 1

This is a continuation of body conditioning for the students who are serious about their health and fitness level. All male and female students will be able to continue to gain muscular strength and muscular endurance through weight training and cardiovascular activities. This course is advanced and comprehensive in weight training, flexibility, and cardiovascular exercises with a specialized approach. All students can lift for specialized needs, either personal or athletic. The demands for this class will be more personalized with teacher-student involvement in creating programs. All students will design their own programs based upon a personal assessment.

Body Conditioning 3 **349913CW**
Grades: 11 – 12 **1 unit**
Prerequisite: Physical Fitness/Body Conditioning 2

This course is designed for the student/athlete who has successfully completed the first two years of the Physical Fitness/Body Conditioning curriculum. The course is designed for the student/athlete who has a serious commitment to continuing to develop their bodies and create a lifestyle that they want to live. This course is highly advanced weight training and very specialized for the student's personal needs. All students will design an individual program with their own goals in mind. This will be done in conjunction with the teacher's assistance. The specialized sport programs can be implemented and designed for personal as well as athletic goals.

HEALTH

Family and Community Health **340100CH**
Grade: 9-12 **1/2 unit**
Prerequisite: None

Family and Community Health is an elective Health course that expands upon the personal health course to include instructional units on: public/community health issues; health services, providers and resources; consumer health, safety; and environmental health.

Personal Health and Wellness (Required for Graduation) 340200CH
Grade: 9-12 **1/2 unit**

Prerequisite: None

Personal Health and Wellness meets the graduation requirements for Richland School District One. Personal Health and Wellness is designed to help students develop the knowledge, attitudes, and skills to promote wellness, maintain health, and prevent disease. A minimum of 750 minutes of reproductive health, pregnancy prevention, and sexually transmitted disease along with consumer health, environmental health, growth and development, nutritional health, personal health prevention and control of diseases and disorders, safety and accident prevention, substance use and abuse, dental health, and mental and emotional health is required by the Comprehensive Health Education Act of 1988 in addition to community health. Erin's Law and Ronald Rouse's Law are embedded within the curriculum. One half unit of Personal Health is required for graduation.

JROTC

Students must be medically qualified to participate in a rigorous program of drill and physical fitness training. JROTC courses (375110CW or 375120CW or 375130CW) will meet the P.E. 1 requirement for graduation. These courses are highly recommended for students who are interested in this career field or if they want to develop self-discipline.

Army JROTC **375110CW**
Grades: 9 – 10 **1 unit**

Prerequisite: Student must be medically qualified to participate in a rigorous program of drill and physical fitness training

This course introduces the Army JROTC program and prepares high school students for responsible leadership roles while making them aware of their rights, responsibilities, and privileges as American Citizens. Cadets receive basic instruction in oral and written communications, study habits, leadership, physical fitness, drill, ceremonies, first aid, military history, and citizenship. The Army uniform must be worn one entire school day each week and as otherwise scheduled. Physical training to include running, pull-up, sit-ups, and push-ups, must be performed one or more times each week. Cadets do not incur any military obligation. However, the successful completion of this course will entitle cadets to advanced rank in the Army and will also meet a graduation requirement for one unit in PE or JROTC 1.

Army JROTC 2 **375210CW**
Grades: 10 – 12 **1 unit**

Prerequisite: Successful completion of Leadership Education and Training 1 (77 or better), and approval by the senior instructor

Students must be medically qualified to participate in a rigorous program of drill. Cadets demonstrate knowledge of the ethical values and principles of good citizenship and display basic leadership skills. They receive instruction in wellness, fitness, first aid, substance abuse, citizenship, drill, ceremonies, and service learning. These cadets serve in "first line" leadership positions in the cadet battalion and assist in some instruction presented to first-year cadets. The Army uniform must be worn one entire school day each week and as otherwise scheduled. Physical training to include running, pull-up, sit-ups, and push-ups, must be performed one or more times each week. Cadets do not incur any military obligation. However, the successful completion of 2 or more years in JROTC can entitle cadets to placement credit in college Army ROTC and/or advanced rank in the military services.

Army JROTC 3 **375310CW**
Grades: 11 – 12 **1 unit**

Prerequisite: Successful completion of Leadership Education and Training 2 (80 or better), rank of SGT or higher, and approval by the senior instructor. Students must be medically qualified to participate in a rigorous program of drill

Cadets practice problem solving/decision-making techniques while serving in "middle management" leadership positions in the cadet battalion. They receive instruction in leadership, drill, public speaking, conflict resolution, career planning, financial planning, citizenship, and

service learning. The Army uniform must be worn one entire school day each week and as otherwise scheduled. Physical training to include running, pull-up, sit-ups, and push-ups, must be performed one or more times each week. Cadets do not incur any military obligation. However, the successful completion of 2 or more years in JROTC can entitle cadets to placement credit in college Army ROTC and/or advanced rank in the military services.

Army JROTC 4 **375410CW**
Grades: 11 – 12 **1 unit**

Prerequisite: Successful completion of Leadership Education and Training 3 (85 or better), rank of SFC or higher, and approval by the senior instructor. Students must be medically qualified to participate in a rigorous program of drill and physical fitness training

Cadets practice problem solving/decision-making techniques while serving in key leadership and staff positions in the cadet battalion. Under instructor guidance, they run the day-to-day JROTC operations, plan all activities, and maintain administrative and logistical files. They receive instruction in the Department of Defense, leadership, financial planning, teaching skills, drill, ceremonies, and fitness. They assist in all instruction to younger cadets. The Army uniform must be worn one entire school day each week and as otherwise scheduled. Physical training to include running, pull-up, sit-ups, and push-ups, must be performed one or more times each week. Cadets do not incur any military obligation. However, the successful completion of 2 or more years in JROTC can entitle cadets to placement credit in college Army ROTC and/or advanced rank in the military services.

Army JROTC 5 **375415CW**
Grade: 12 **1 unit**

Prerequisite: Successful completion of Leadership Education and Training 4 (90 or better), rank of Cadet Officer or higher, and approval by the senior instructor. Students must be medically qualified to participate in a rigorous program of drill

Cadets continue to practice problem solving/decision-making techniques while serving in top leadership and staff positions in the cadet battalion. Under instructor guidance, the cadets run the day-to-day JROTC operations, plan all activities, and maintain administrative and logistical files. The cadets assist in instruction to junior cadets and are responsible for teaching basic skills. The Army uniform must be worn one entire school day each week and as otherwise scheduled. Physical training to include running, pull-up, sit-ups, and push-ups, must be performed one or more times each week. Cadets do not incur any military obligation. However, the successful completion of 2 or more years in JROTC can entitle cadets to placement credit in college Army ROTC and/or advanced rank in the military services.

Army JROTC 6 **375416CW**
Grade: 12 **1 unit**

Prerequisite: Successful completion of Leadership and Training 4 (90 or better), rank of Cadet Officer or higher, and approval by the senior instructor. Students must be medically qualified to participate in a rigorous program of drill and physical fitness training

Cadets continue to practice problem solving/decision-making techniques while serving in top leadership and staff positions in the cadet battalion. Under instructor guidance, the cadets run the day-to-day JROTC operations, plan all activities, and maintain administrative and logistical files. The cadets assist in instruction to junior cadets and are responsible for teaching basic skills. The Army uniform must be worn one entire school day each week and as otherwise scheduled. Physical training to include running, pull-up, sit-ups, and push-ups, must be performed one or more times each week. Cadets do not incur any military obligation. However, the successful completion of 2 or more years in JROTC can entitle cadets to placement credit in college Army ROTC and/or advanced rank in the military services.

Army JROTC 1 and 2 Grades: 10 – 12 Prerequisite: Approval of the senior instructor. Students must be medically qualified to participate in a rigorous program of drill and physical fitness training	375411CH, 375412CH 1/2 unit	Aerospace Education 4 Grades: 11 – 12 Prerequisite: Successful completion of Aerospace Education 3 and recommendation of the senior instructor	375430CW 1 unit
<p>These courses provide an opportunity for cadets to practice the leadership and drill skills taught in the regular course, to study material not taught in the regular courses because of time, and to further develop teaching and leading techniques. Areas of concentration may include: drill, exhibition drill, color guard duties, saber drill, battalion parades, leadership, communications, first aid, battalion staff functions, physical training, adventure training, survival, summer camp preparation, marksmanship safety, and formal functions. The Army uniform must be worn one entire school day each week and as otherwise scheduled. Physical training to include running, pull-ups, sit-ups, and push-ups, must be performed one or more times each week. Cadets will be assigned areas of study based on needs of the unit, their individual skill levels, and their personal desires. Under instructor guidance, the cadets will be expected to determine essential questions for each learning unit, develop strategies for answering the questions, and help determine the performance criteria through group efforts. NOTE: Army JROTC Leadership Seminar I is not a prerequisite for Army JROTC Leadership Seminar II.</p>		<p>Aerospace Education 4 is a continuation of the core curriculum of Aerospace Science (40%), Leadership Education (40%), and Health and Wellness (20%). This class emphasizes leadership, communication skills, and responsibility. Fourth-year cadets will focus on their individual concepts of leadership as well as teamwork and effective and efficient cadet corps organization. Physical fitness planning, teaching, training, and execution will be expected from students in this class. The Air Force uniform must be worn one entire school day each week. Cadets do not incur any military obligation by participating in this course.</p>	
Aerospace Education 1 Grades: 9 – 12 Prerequisite: None	375130CW 1 unit	Aerospace Education 5 Grades: 11 – 12 Prerequisite: Minimum of two Aerospace Education credits for Aerospace Education 4, rank of Cadet Officer or higher, and the recommendation of the senior instructor	375435CW 1 unit
<p>The course contains three subject areas Aerospace Science (40%), Leadership Education (40%), and Health and Wellness (20%). This is an introductory course to be taken by first year cadets. Aerospace Science study includes the history of aviation, cultural studies of six world regions, the science of flight, space exploration, astronomy, survival and management. Leadership Education offers students many opportunities to shape their character. Elements of good citizenship are instilled in students. They are introduced to the Air Force organizational structure, uniform wear, military customs and courtesies, flag etiquette, citizenship in the United States, first aid, health and wellness, fitness, individual self-control, basic drill and ceremonies, and effective communications. The Air Force uniform must be worn one entire school day each week. Cadets do not incur any military obligation by participating in this course. Successful completion of this course will meet the graduation requirement for one course in JROTC or PE.</p>		<p>Aerospace Education 4 is a continuation of the core curriculum of Aerospace Science (40%), Leadership Education (40%), and Health and Wellness (20%). Students selected for this class will normally be the top leaders in the Corps of Cadets. This class will meet separately from other Aerospace Education classes. Under instructor guidance, the cadets are responsible for the day-to-day JROTC operations - planning of all activities, and maintaining administrative and logistical files. The cadets assist in instruction to junior cadets and some will be responsible for teaching basic skills. The AFJROTC uniform must be worn one entire school day each week. Cadets do not incur any military obligation by participating in this course.</p>	
Aerospace Education 2 Grades: 10 – 12 Prerequisite: Successful completion of Aerospace Education 1 and recommendation of the senior instructor	375230CW 1 unit	Aerospace Advanced Skills 1 Grades: 9 – 12 Prerequisite: One or more units of JROTC (any service) and recommendation of the senior instructor	375131CW 1 unit
<p>Aerospace Education 2 is a continuation of the core curriculum of Aerospace Science (40%), Leadership Education (40%), and Health and Wellness (20%); new topics in Aerospace Science and Leadership Education will be introduced in each successive year of Aerospace Education. Special attention is given to having Aerospace Education 2 students teach much of the Air Force drill exercises, ceremonies, proper uniform wear, and exercise in the Health and Wellness Classes. The Air Force uniform must be worn one entire school day each week. Cadets do not incur any military obligation by participating in this course.</p>		<p>A performance oriented course which provides opportunities for cadets to practice and hone skills taught in other Aerospace Education Classes. This class will be focused on developing, and learning techniques to improve performances in one or more of the following skill sets: Drill Team, Honor Guard, Saber Team, Color Guard, Aviation Adventure Team, Aircraft Recognition Team, Awareness, Presentation Team, or Kitty Hawk Air Society. The course curriculum will be comprised of Aerospace Science (40%), Leadership Education (40%), and Health and Wellness (20%). The AFJROTC uniform must be worn one entire school day each week. Cadets do not incur any military obligation by participating in this course.</p>	
Aerospace Education 3 Grades: 11 – 12 Prerequisite: Successful completion of Aerospace Education 2 and recommendation of the senior instructor	375330CW 1 unit	Aerospace Advanced Skills 2 Grades: 9 – 12 Prerequisite: One or more units of JROTC (any service) and recommendation of the senior instructor	375212CW 1 unit
<p>Aerospace Education 3 is a continuation of the core curriculum of Aerospace Science (40%), Leadership Education (40%), and Health and Wellness (20%); new topics in Aerospace Science and Leadership Education will be introduced in each successive year of Aerospace Education. Special attention is given to having Aerospace Education 3. Students assume increasingly more responsible leadership positions and management of the class planning, logistics and administrative functions. Students will continue to teach much of the Air Force drill exercises, ceremonies, proper uniform wear, and exercise in the Health and Wellness Classes. The Air Force uniform must be worn one entire school day each week. Cadets do not incur any military obligation by participating in this course.</p>		<p>A performance oriented course which provides opportunities for cadets to practice and hone skills taught in other Aerospace Education Classes. Cadets in this class will take a leadership role in mentoring, teaching, and training other cadets on fundamental skills. This class will be focused on teaching other cadets to develop, and learn techniques to improve performances in one or more of the following skill sets: Drill Team, Honor Guard, Saber Team, Color Guard, Aviation Adventure Team, Aircraft Recognition Team, Awareness, Presentation Team, or Kitty Hawk Air Society. The course curriculum will be comprised of Aerospace Science (40%), Leadership Education (40%), and Health and Wellness (20%). The AFJROTC uniform must be worn one entire school day each week. Cadets do not incur any military obligation by participating in this course.</p>	
		Aerospace Advanced Skills 3 Grades: 9 – 12 Prerequisite: One or more units of JROTC (any service) and recommendation of the senior instructor	375333CW 1 unit
		<p>A performance oriented course which provides opportunities for cadets to practice and hone skills taught in other Aerospace Education Classes. Cadets in this class will typically be the senior leaders of a AFJROTC performance based team. They will be responsible for organizing,</p>	

planning, training, and mentoring the team to peak performance. This class will be focused on developing, and learning techniques to improve the performances in one or more of the following skill sets: Drill Team, Honor Guard, Saber Team, Color Guard, Aviation Adventure Team, Aircraft Recognition Team, Awareness, Presentation Team, or Kitty Hawk Air Society. The course curriculum will be comprised of Aerospace Science (40%), Leadership Education (40%), and Health and Wellness (20%). The AFJROTC uniform must be worn one entire school day each week. Cadets do not incur any military obligation by participating in this course.

Naval Science 1 **375120CW**
Grades: 9 – 10 **1 unit**
Prerequisite: Students must be physically qualified to participate in a rigorous program of drill and physical fitness training. Depending on medical history, a District Sports Physical may be required

This course introduces the Naval JROTC program. Cadets study the organization of the Navy, Naval operations, Naval history, leadership, health education, basic navigation, and seamanship. They learn basic military drill movements, how to march as part of a unit such as a squad, platoon, or company; and how to master the various close-order drill movements with and without rifles. Cadets learn how to be followers being led by more senior cadets, participate in physical fitness training, and take part in sports and events. The Naval uniform must be worn one entire school day each week and as otherwise scheduled. Those successfully completing Naval Science I may be selected to attend special basic military training at Mini-Boot Camp. Cadets do not incur any military obligation. However, the successful completion of 2 or more years of JROTC may entitle cadets to advanced rank in the military services. Successful completion of this course will meet the graduation requirement for one unit of PE or JROTC 1.

Naval Science 2 **375220CW**
Grades: 10 – 12 **1 unit**
Prerequisite: Successful completion of Naval Science 2 and the recommendation of the senior instructor

Students must be medically qualified to participate in a rigorous program of drill and physical fitness training. Cadets study naval history, leadership, oceanography, first aid, maritime geography, and basic navigation. All cadets improve their marching and leadership abilities by participating in close-order drill sessions with and without rifles, by commanding other cadets in marching movements, and by conducting and taking part in physical fitness training and sports. The Naval uniform must be worn one entire school day each week and as otherwise scheduled. Those successfully completing Naval Science II may be selected for a summer Leadership Academy. Cadets do not incur any military obligation. However, the successful completion of 2 or more years of JROTC may entitle cadets to advanced rank in the military services.

Naval Science 3 **375320CW**
Grades: 11 – 12 **1 unit**
Prerequisite: Successful completion of Naval Science 2 and the recommendation of the senior instructor

Students must be medically qualified to participate in a rigorous program of drill and physical fitness training to include, but not limited to push-ups, sit-ups. Cadets study Naval history, leadership, astronomy, meteorology, military law, and international law. They participate in and command close-order drill marching units, with and without weapons. They undergo survival training and participate in organized sports. The Naval uniform must be worn one entire school day each week and as otherwise scheduled. Cadets successfully completing Naval Science III may be selected for further special summer military training. Cadets do not incur any military obligation. However, the successful completion of 2 or more years of JROTC may entitle cadets to advanced rank in the military services.

Naval Science 4 **375420CW**
Grades: 11 – 12 **1 unit**
Prerequisite: Successful completion of Naval Science 3 and the recommendation of the senior instructor

Students must be medically qualified to participate in a rigorous program of drill and physical fitness training to include, but not limited to push-

ups, sit-ups. Cadets do independent study of government, military law, leadership, first aid, and life aboard naval vessels. They also act as teacher assistants for Naval Science I, II, and III courses. All cadets experience various leadership situations as they perform as the officer corps of the unit. They instruct and command other cadets in close-order drill, personnel inspections and physical fitness training. The Naval uniform must be worn one entire school day each week and as otherwise scheduled. Cadets do not incur any military obligation. However, the successful completion of 2 or more years in JROTC can entitle cadets to advanced rank in the military services.

Naval Science 5 **375425CW**
Grades: 11 – 12 **1 unit**
Prerequisite: Successful completion of Naval Science 4, and the recommendation of the senior instructor

Students must be medically qualified to participate in a rigorous program of drill and physical fitness training to include, but not limited to push-ups, sit-ups. Cadets continue to practice problem solving/decision-making techniques while serving in the top leadership and staff positions in the cadet company. Under instructor guidance, the cadets are responsible for the day-to-day NJROTC unit operations, planning of all activities, and maintaining administrative and logistical files. The cadets assist in instruction to junior cadets and are responsible for teaching basic military skills. The Navy uniform must be worn one entire school day each week and as otherwise scheduled. Cadets enrolled in this class must also complete NJROTC physical fitness requirements. Cadets do not incur any military obligation. However, the successful completion of 2 or more years in JROTC can entitle cadets to advanced rank in the military services.

Naval Science 6 **375426CW**
Grades: 11 – 12 **1 unit**
Prerequisite: Successful completion of Naval Science 5 and the recommendation of the senior instructor

Students must be medically qualified to participate in a rigorous program of drill and physical fitness training to include, but not limited to push-ups, sit-ups. Cadets continue to practice problem solving/decision-making techniques while serving in the top leadership and staff positions in the cadet company. Under instructor guidance, the cadets are responsible for the day-to-day NJROTC unit operations, planning of all activities, and maintaining administrative and logistical files. The cadets assist in instruction to junior cadets and are responsible for teaching basic military skills. The Navy uniform must be worn one entire school day each week and as otherwise scheduled. Cadets enrolled in this class must also complete NJROTC physical fitness requirements. Cadets do not incur any military obligation. However, the successful completion of 2 or more years in JROTC can entitle cadets to advanced rank in the military services.

Naval Advanced
Skills 1, 2, 3, 4 **375121CW, 375222CW, 375323CW, 375424CW**
Grades: 9 – 12 **1 unit**
Prerequisite: One or more units of JROTC (any service); active Drill, Rifle, Academic Team, Color Guard, and/or principal staff member; and recommendation of the senior instructor

These performance oriented courses provide an opportunity for cadets to practice and extend skills not taught in the regular courses because of time, to further develop teaching and learning techniques, and to build Drill, Rifle, Color, and Academic Team proficiency. Areas of concentration may include: regulation and exhibition drill, color guard duties, sword drill, company/battalion parades, reviews and inspections, leadership and decision-making, map reading, land and sea navigation, physical fitness training, marksmanship safety, staff procedures and briefing techniques, and summer training preparation. The NJROTC uniform must be worn one entire school day each week and/or as otherwise scheduled. Cadets will be assigned areas of study based on needs of the unit, their individual skill levels, and their personal desires. Under instructor guidance, the cadets will be expected to determine essential questions for each learning unit, develop strategies for answering the questions, and help determine the performance criteria through group efforts. NOTE: Cadets under the 4x4 block must be scheduled for a regular Navy JROTC course during the same school year. Also the courses need not be taken in sequence.

Cadets do not incur any military obligation. However, the successful completion of 2 or more years in JROTC can entitle cadets to advanced rank in the military services.

Naval Leadership Seminar 1, 2
Grades: 10 – 12

375421CH, 375422CH
1/2 unit

Prerequisite: Concurrent enrollment in regular JROTC course during the school year and recommendation of the senior instructor. Students must be physically qualified to participate in a rigorous program of drill and physical fitness training to include, but not limited

These courses provide an opportunity for cadets to practice and expand the leadership and military skills taught in the regular course, refine public speaking skills through practical application, and apply naval supply and administration procedures. Areas of concentration may include: ceremonies, planning and conduct of formal inspections, joint JROTC operations, the study of national strategy, staff planning, effective counseling techniques, naval supply functions, naval leadership traits, principals and practice, the theory of human motivation, Summer Leadership Camp preparation, advanced physical training techniques, and competition marksmanship application. Students are required to complete a selected Navy Correspondence Course. The Navy uniform must be worn one entire school day each week and as otherwise scheduled. Cadets will be assigned areas of study based on needs of the unit, their individual skill levels, and their personal desires. Under instructor guidance, the cadets will be expected to determine essential questions for each learning unit, develop strategies for answering the questions, and help determine the performance criteria through group efforts. NOTE: Naval JROTC Leadership Seminar I is not a prerequisite for this course.

Summer Leadership School 1
Grades: 9 – 10

375141CH
1/2 unit

Prerequisite: One or more units of Junior ROTC and recommendation of the senior instructor

Summer Leadership School is an intense round-the-clock performance-oriented course that provides students an opportunity to learn leadership roles in their school and units. Students are placed in a living leadership laboratory and perform various leadership and fellowship roles each day. The curriculum consists of 36 hours of academic training involving classes in peer mediation, buddy first aide, drill and ceremonies, land navigation, marksmanship, orienteering, leadership skills, problem solving, and teamwork. An additional 36 hours of training involves participation in sportsmanship, physical training, and leadership roles practice. Students are scored in individual and team phases of training. Students live in student dormitories on the training campus under supervision and guidance of instructors. Students must wear the prescribed uniform during training.

Summer Leadership School 2
Grades: 10 – 11

375242CH
1/2 unit

Prerequisite: Successful completion of Summer Leadership 1, two or more units of Junior ROTC, and recommendation of the senior instructor

Summer Leadership School is an intense round-the-clock performance-oriented course that provides an opportunity for cadets to learn leadership roles in their schools and units. Second year students are placed in a living leadership laboratory and perform various leadership and training roles as

cadre each day. The cadre cadets are placed in operational and support positions and are responsible to instruct or assist in instruction of various activities such as drill and ceremonies, land navigation, marksmanship, physical training, orienteering, leadership reaction problems, problem solving, teamwork, and sportsmanship exercises. Cadre Cadets are scored in individual and team phases of training. Students live in student dormitories on the training campus under supervision and guidance of instructors. Cadre, under the supervision of an instructor, are directly responsible for the training of SLS I cadets. Note: Students must be in top physical shape due to the intensity of the training.

Summer Leadership School 3

375343CH

Grades: 11 – 12

1/2 unit

Prerequisite: Successful completion of Summer Leadership 1 and II, three or more units of Junior ROTC, and recommendation of the senior instructor

Summer Leadership School is an intense round-the-clock performance-oriented course that provides an opportunity for cadets to learn leadership roles in their schools and units. Third year students are placed in a living leadership laboratory and perform various leadership and training roles. These cadets perform the top leadership roles of the school and responsible to lead and train the SLS I and II cadets. Cadre cadets lead in activities such as drill and ceremonies, land navigation, marksmanship, physical training, orienteering, leadership reaction problems, problem solving, teamwork, and sportsmanship exercises. SLS cadets are scored in individual and team phases of training. Students live in student dormitories on the training campus under supervision and guidance of instructors.

NOTE: Students must be in top physical shape due to the intensity of the training.

Ground School for Flying

375437CW

Grades: 11 - 12

1 unit

(10, in exceptional cases)

Prerequisite: Minimum one year of JROTC in any service. Instructor recommendation. (Instructor may require concurrent enrollment in JROTC 2, 3, or 4

Private Pilot Ground School. This is an Aviation Fundamental course that will prepare the student for the Federal Aviation Administration (FAA) Private Pilot written examination. The course includes a brief overview of airplanes and their components, principles of flight basic aerodynamic principles related to the four forces of flight, meteorology for pilots, basic navigation, aviation physiology, aircraft systems and performance, and FAA regulations. This ground school course is an advanced, in-dept study of aerospace topics and is the foundation for students interested in receiving a private pilot's license. When the course is completed, the students should be prepared to take and pass the FAS examination. As with other JROTC courses, 69 cadets will be expected to meet or exceed grooming standards and conform to the rules and regulations that govern the JROTC program.

VISUAL AND PERFORMING ARTS

The South Carolina Commission on Higher Education requires a unit in Fine Arts (also known as Visual and Performing Arts) for high school graduates attending a four-year public college or university.

These courses provide an opportunity for students to gain knowledge and experience in the Visual and Performing Arts. The arts allow students to celebrate and preserve our cultural heritages and explore the realms of expression, imagination and creativity resulting in new knowledge. Through these courses, students may learn about, create, and value visual and performing arts. Students should consider taking these courses if they are interested in visual and performing art, or if these courses align or compliment with their career cluster.

The performing arts program for grades 6-12 offers instruction in instrumental music, chorus, dance, and theatre. The visual art programming offers instruction in a wide variety of artistic mediums.

INSTRUMENTAL MUSIC

BAND

Instrumental Music: Band – Exploratory **359901CW**
Grades: 9 – 12 **1 unit**

Prerequisite: Interest; Teacher Approval

This course is for students who have not been enrolled in the regular sequence of the District Band Curriculum. It is designed to assist students in developing skills and talents to perform and participate in high school ensembles. Instruction will be based on the District Middle School Band Curriculum Guide. Limited ensemble participation which includes performances and rehearsals outside of regularly scheduled school hours may be required. Scope includes tone quality and intonation, rhythm and meter, keys, scales, rudiments, notation, mechanics of the instrument, individual and group performance, sight-reading and ear training, form and analysis, music history, humanistic skills, and aesthetic valuing.

Instrumental Music: Band – Concert 1, 2, 3, 4
353111CW, 353212CW, 353313CW, 353414CW

Level 1: Grades: 9 – 12 **1 unit**
Level 2: Grades: 10 – 12 **1 unit**
Level 3: Grades: 11 – 12 **1 unit**
Level 4: Grade: 12 **1 unit**

Prerequisite: For Level 1: “C” or higher in Instrumental Music: Band – Advanced; teacher approval. For Levels 2, 3, 4: “C” or higher in previous courses in the numbering sequence of Instrumental Music: Band - Concert; teacher approval.

These courses are designed for students who have had experience in middle school performing ensembles, Instrumental Music: Band - Marching and previous courses in the numbering sequence for Instrumental Music: Band - Concert. Required rehearsals and performances outside of regularly scheduled school hours are an integral part of the course work. Scope includes tone quality and intonation, rhythm and meter, keys, scales, rudiments, notation, mechanics of the instrument, individual and group performance, sight-reading and ear training, form and analysis, music theory, humanistic skills and aesthetic valuing. This course may be offered as a complete ensemble consisting of brass, woodwind, and percussion, or as a single section, or as a combination of any two.

Instrumental Music: Band – Concert 3 Honors & 4 Honors
353313HW, 353414HW

Level 3: Grades: 11 – 12 **1 unit Honors Weight**
Level 4: Grade: 12 **1 unit Honors Weight**

Prerequisite: “C” or higher in previous courses in the numbering sequence of Instrumental Music: Band - Concert; teacher approval.

This course is designed for advanced students with previous experience in Instrumental Music: Band - Concert and who are interested in pursuing honors credit. The scope includes tone quality and intonation, rhythm and meter, notation, mechanics of the instruments, individual and group

performance, sight-reading and ear training, form and analysis, music theory, humanistic skills, and aesthetic valuing. Additionally, the course will explore the advanced instrumental techniques needed to perform grade level III-IV music. Students are required to participate in ensembles outside of the school setting, take an active leadership role in the band organization, and complete honors level projects as delineated in the curriculum guide. This course may be offered as a complete ensemble consisting of brass, woodwind, and percussion, or as a single section, or as a combination of any two.

Instrumental Music: Band – Marching 1, 2, 3, 4
353121CW, 353222CW, 353323CW, 353424CW

Level 1: Grades: 9 – 12 **1 unit**
Level 2: Grades: 10 – 12 **1 unit**
Level 3: Grades: 11 – 12 **1 unit**
Level 4: Grade: 12 **1 unit**

Prerequisite: For Instrumental Music: Band – Marching 1: “C” or higher in Instrumental Music: Band - Advanced; teacher approval. For Instrumental Music: Band - Marching 2, 3 & 4: “C” or higher in previous courses in the numbering sequence of Instrumental Music: Band - Concert course is required. Enrollment in the equivalent Instrumental Music: Band - Concert course is required for Instrumental Music: Band - Marching 1, 2, 3, & 4.

These courses are for students who have experience in instrumental music either through individual instruction or in an advanced middle school band program. Scope includes tone quality and intonation, rhythm and meter, notation and marching. After-school and weekend rehearsals and performances are required as well as enrollment in the comparable Concert Band course.

Instrumental Music: Band – Marching 3 Honors & 4 Honors
353323HW, 353424HW

Level 3: Grades: 11 – 12 **1 unit Honors Weight**
Level 4: Grade: 12 **1 unit Honors Weight**

Prerequisite: “C” or higher in previous courses in the numbering sequence of Instrumental Music: Band -Marching; teacher approval. Enrollment in the equivalent Instrumental Music – Band Concert course is required.

This course is designed for advanced students with previous experience in Instrumental Music: Band -Marching and who are interested in pursuing honors credit. The scope includes tone quality and intonation, rhythm and meter, notation and marching fundamentals. Additionally, students who choose to earn honors credit will be required to perform in a variety of leadership roles including, but not limited to: Drum majors, band captains, drill instructors, squad leaders, librarians, uniform managers, and band officers. Students will be required to complete honors level projects as delineated in the curriculum guide.

Instrumental Music: Jazz Band 1, 2, 3, and 4
453122CW, 453222CW, 453322CW, 453422CW

Level 1: Grades: 9 – 12 **1 unit**
Level 2: Grades: 10 – 12 **1 unit**
Level 3: Grades: 11 – 12 **1 unit**
Level 4: Grade: 12 **1 unit**

Prerequisite: For Instrumental Music: Jazz Band 1, Audition; teacher approval. For Instrumental Music: Jazz Band 2, 3, and 4: “C” or higher in previous course in the numbering sequence; teacher approval.

These courses are designed for students with previous experience in playing brass, percussion or woodwind instruments. They are performance- oriented courses providing individualized and group instruction in the various styles of modern music. Specifics of jazz articulation and phrasing, rock music techniques, rhythm and blues and improvisations will be developed. Expanded musical repertoire, styles, and genres will be studied. A historical and social perspective of jazz and rock will be explored. Material studied in these courses will not typically be covered in the regular concert or marching band courses.

GUITAR

Instrumental Music: Guitar 1, 2, 3 and 4

356701CW, 458002CW, 458103CW, 458204CW

Level 1: Grades: 9 – 12 1 unit

Level 2: Grades: 10 – 12 1 unit

Level 3: Grades: 11 - 12 1 unit

Level 4: Grade: 12 1 unit

Prerequisite: For Instrumental Music: Guitar 1: Teacher approval and student interest. For Instrumental Music: Guitar 2, 3, and 4: Previous course in the numbering sequence of Guitar.

These courses provide students with group and individualized instruction in beginning through advanced guitar. Students will learn guitar principals, basic music theory, and the fundamentals of song structure. Students will explore varied repertoire, styles, and techniques. Scope includes instrument maintenance, mechanics, musical notation and tablature, rhythm and meter, scales, chords and chord progressions, tone quality, and intonation. Required rehearsals and performances outside of regularly scheduled school hours are an integral part of course work.

Guitar 3 Honors and Guitar 4 Honors

4588103HW, 458204HW

Grades: 11 – 12 1 unit Honors Weight

Level 4: Grade: 12 1 unit Honors Weight

Prerequisite: Previous courses in the numbering sequence and teacher approval.

These courses are designed for advanced students with previous experience playing guitar. The course will explore the advanced instrumental techniques needed to perform advanced repertoire pieces. Students are required to participate in ensemble and solo performances outside of the traditional school setting, assume leadership responsibilities in classroom rehearsals as well as after school rehearsals, pursue the skills necessary to sing and play guitar at the same time, perform solo pieces at concerts and public performances, complete honors level projects as delineated in the curriculum guide. Scope includes tone quality and intonation, rhythm and meter, keys, scales, moveable chord forms, notation, mechanics of the instrument, individual and group performance, sight-reading and ear training, form and analysis, music theory, humanistic skills and aesthetic valuing.

ORCHESTRA - STRINGS

Instrumental Music: Orchestra - Strings 1, 2, 3 and 4

355102CW, 355200CW, 355300CW, 355400CW

Level 1: Grades: 9 – 12 1 unit

Level 2: Grades: 10 – 12 1 unit

Level 3: Grades: 11 - 12 1 unit

Level 4: Grade: 12 1 unit

Prerequisite: For level 1: "C" or higher in Instrumental Music: Orchestra – Strings, Intermediate Middle School; teacher approval. For levels 2, 3 and 4: "C" or higher in the previous course in the numbering sequence; teacher approval.

These courses are designed for students with previous instruction in Orchestra - Strings. Further study of the basic elements of music, development of skills, and advanced studies of technique will be emphasized. Students are encouraged to participate in orchestras outside of their own school, such as the Columbia Youth Orchestra and Richland One Honor Orchestra, SCMEA Regional Orchestra, and other SCMEA sponsored events. Scope includes tone quality, rhythm and meter, keys and scales, sight-reading, intonation, musical terms, symbols and signs, mechanics of the instruments, aural skills, humanistic skills, and musical heritage.

Instrumental Music: Orchestra - Strings 3 Honors & 4 Honors

355300HW, 355400HW

Level 3: Grades: 11 – 12 1 unit Honors Weight

Level 4: Grade: 12 1 unit Honors Weight

Prerequisite: "C" or higher in the previous course in the numbering sequence; teacher approval.

These courses are designed for the experienced as well as the advanced orchestra student interested in pursuing and receiving honors credit.

They will explore the advanced instrument techniques needed to perform grade level IV and above orchestral music. Required performances and after school rehearsals are integral parts of the course work. Students are required to audition for orchestras outside of their own school orchestra, demonstrate knowledge of music theory through compositions and arrangements, and complete honors level projects as delineated in the curriculum guide.

PIANO

Instrumental Music: Piano 1 and 2

454100CW, 454200CW

Grades: 9 – 12 1 unit

Prerequisite: For Instrumental Music: Piano 1: Interest in playing piano, composition and music technology. For Instrumental Music: Piano 2: Instrumental Music: Piano 1

These courses are designed for instruction in the basic fundamentals of piano keyboard playing, composition, music technology, music theory, individual and group playing, sight-reading, and ear training.

WORLD MUSIC

World Music 1

458401CW

Grades: 9-12 1 unit

Prerequisite for World Music 1: None

This course is designed for fundamental instruction in music from around the globe. It integrates cultural and geographical knowledge, both past and present instruments, musical notation, and musical form. Students will identify and perform a variety of music from a broad world sample and will generate music in various world styles. Instrumentation may include, but is not limited to Steel Drums, African Drums other percussion, a variety of flutes, etc.

World Music 2

459972CW

Grades: 9-12 1 unit

Prerequisite for World Music 2: World Music 1

This course is designed for instruction in music from around the globe. They integrate cultural and geographical knowledge, both past and present instruments, musical notation, and musical form. Students will identify and perform a variety of music from a broad world sample and will generate music in various world styles. Instrumentation may include, but is not limited to Steel Drums, African Drums other percussion, a variety of flutes, etc. This course builds upon the fundamentals of World Music 1, and extends the scope of content, as well as the scope of performance requirements.

MUSIC APPRECIATION/THEORY

Music Appreciation 1

356101CW

Grades 9-12 1 unit

Prerequisite: None

Music Appreciation (1 unit) is for students who enjoy music and wish to learn more about its role and importance in our lives. The course delves deeply into topics such as music as an expression of who we are, music as an invitation to move, music to let us create, music to understand life's meaning, music to tell the story of our lives, music to chronicle history, and music to characterize an age are included. Students study music through recordings, films, written materials, and electronic media. This course involves more rigorous studies and broader explorations of the same topics addressed in the ½ unit offering.

Music Appreciation 1

356100CH

Grades 9-12 1/2 unit

Prerequisite: None

Music Appreciation (1/2 unit) is for students who enjoy music and wish to learn more about its role and importance in our lives. Topics such as music as an expression of who we are, music as an invitation to move, music to let us create, music to understand life's meaning, music to tell the story of our lives, music to chronicle history, and music to characterize an age are included. Students study music through recordings, films, written materials, and electronic media.

Music Theory **459974CW**
Grades: 11 – 12 **1 unit**
Prerequisite: Previous music training; Teacher approval
 Music Theory is designed for students considering a music career. It is a basic course of study in music styles and structure; scales, chords, keys, modes, meter, and rhythm through sight-singing and keyboard experience, written theory, and composition.

Advanced Placement Music Theory
357600AW
Grades: 11-12 **1 unit**
Prerequisite: Advanced music coursework and Teacher approval
 The Advanced Placement Music Theory course is for highly motivated, well-prepared, committed high school music students interested in pursuing and receiving advanced placement and/or college level credit for the study of music theory. This course of study is designed for the study of musical materials, structure, and style. It integrates melodic, harmonic, textural, rhythmic, formal, and, to some extent, historical and stylistic aspects. The student's ability to read and write musical notation as well as the student's basic performance skills in voice or on an instrument is fundamental to the course. Students in this course will complete the Advanced Placement examination at the end of the year.

CHORUS

Chorus 1, 2, 3 and 4
354103CW, 354200CW, 354300CW, 354400CW
Level 1: Grades: 9 – 12 **1 unit**
Level 2: Grades: 10 – 12 **1 unit**
Level 3: Grades: 11 - 12 **1 unit**
Level 4: Grade: 12 **1 unit**
Prerequisite: For Chorus 1: "C" or higher in Middle School Chorus - Advanced; teacher approval. For Chorus 2, 3 and 4: "C" or higher in previous courses in the numbering sequence; teacher approval.

These courses are designed for students with previous experience in choral music singing. Students may be included in the performance groups representing the school and district, regional and state functions. Students will also be encouraged to audition for district, community, state and national choral groups. Students will study vocal techniques, a wide range of repertoire, musicality, self-direction, and improvement of individual vocal skills. All performances are mandatory. After school rehearsals may be necessary. A special outfit may be required at the discretion of the director.

Chorus 3 Honors & 4 Honors
354300HW, 354400HW
Level 3: Grades: 11 – 12 **1 unit Honors Weight**
Level 4: Grade: 12 **1 unit Honors Weight**
Prerequisite: "C" or higher in the previous course in the numbering sequence; teacher approval.

These courses are designed for the experienced and motivated choral students interested in pursuing and receiving honors credit. An audition and/or Choral teacher recommendation is required. Through participation in the class, students will be exposed to advanced high school repertoire and techniques. Participation in public performances and after school rehearsals is required. Auditions for certain school, district, region, and state choral ensembles may be required. Students will be required to attend and/or participate in choral ensembles outside of school, demonstrate proficiency and knowledge of choral techniques, the reading of rhythmic and tonal notation, major and minor scales, music terms and other skills as delineated in the curriculum guide. A special outfit may be required at the discretion of the director.

DANCE

Dance: Exploratory **459961CH**
Grades 9-12 **1/2 Unit**
Prerequisite: Interest and Teacher approval
 This course is designed to allow students who have little or no previous training to begin dance instruction at the high school level. It allows students to explore the discipline of Dance by focusing on movement/

dance vocabulary, applying choreographic tools and composition principles in evaluating dance works, promoting functional and artistic use of the movement/dance elements – body, space, time, dynamics/effort, and relationships, and developing awareness of the body as an instrument of expression. No course prerequisites are required other than student expressed interest and teacher approval.

Dance: Exploratory **459961CW**
Grades 9-12 **1 Unit**
Prerequisite: Interest and Teacher approval

This course is designed to allow students who have little or no previous training to begin dance instruction at the high school level. It allows students to explore the discipline of Dance by focusing on movement/dance vocabulary, applying choreographic tools and composition principles in evaluating dance works, promoting functional and artistic use of the movement/dance elements – body, space, time, dynamics/effort, and relationships, and developing awareness of the body as an instrument of expression. No course prerequisites are required other than student expressed interest and teacher approval. This course involves more rigorous studies and broader explorations of the same topics addressed in the ½ unit offering.

Dance: 1, 2, 3 and 4
450102CW, 450204CW, 450306CW, 450408CW
Level 1: Grades: 9 – 12 **1 unit**
Level 2: Grades: 10 – 12 **1 unit**
Level 3: Grades: 11 - 12 **1 unit**
Level 4: Grade: 12 **1 unit**

Prerequisite: For Dance 1: Completion of Dance at the Middle School level with a "C" or higher, or a passing score on the Gifted and Talented-Artistic audition/screening; teacher approval. For Dance: 2, 3 and 4: "C" or higher in the previous course in the numbering sequence; teacher approval.

These courses are designed to further develop strength, flexibility, control, and endurance. Concentration will be placed upon accurate execution of skills in isolated form and in combinations of increasing length and difficulty. Exercise at the barre, center adagio, allegro, and adagio work will incorporate technical proficiency, musicality, and performance style. Mastery of beginning point work as introduced at the middle school level (or the equivalent) will be necessary. Pointe work will concentrate on strength and stability with exercises which will increase in length and difficulty. Students will begin specialized work on turns, partnering techniques, and jumps to develop additional skills and strengths. Scope includes intense and practical study of dance as communication, elements of production, careers in dance, the importance of dance to lifetime fitness, and dance history. Participation in performances is mandatory. Some after school rehearsals may be required. Special clothing and shoes may be required at the discretion of the instructor.

Dance: 3 Honors & 4 Honors **450306HW, 450408HW**
Level 3: Grades: 11 – 12 **1 unit Honors Weight**
Level 4: Grade: 12 **1 unit Honors Weight**
Prerequisite: "C" or higher in the previous course in the numbering sequence; teacher approval.

These courses are designed for highly motivated, well-prepared, committed students interested in pursuing and receiving Honors credit. Students will investigate preparation or dance professions and the options for training beyond the secondary level. Students will continue mastery of least four dance styles and genres, will research dance in various cultures and historical periods, and will analyze and participate in the essential aspects of a dance production. Students are required to attend performances and/or participate in dance ensembles outside of the school settings such as the Richland One District Dance Company, local, community, or professional dance companies, college or university dance performances, or other comparable dance productions. Students are required to prepare and present an exhibition of mastery and complete honors level projects as delineated in the curriculum guide.

THEATRE

Theatre: Exploratory **459951CH**
Grades: 9 – 12 **1/2 unit**

Prerequisite: Interest and Teacher approval

This course is designed to allow students who have little or no previous training to begin Theatre instruction at the high school level. It allows students to explore the discipline of Theatre, focusing on an introduction to the methods and skills of acting within the classroom context. Students will learn and apply basic acting techniques to acting labs, acting exercises, monologues and/or scenes, audition techniques, movement and voice. No course prerequisites are required other than student expressed interest and teacher approval.

Theatre: Exploratory **459951CW**
Grades: 9 – 12 **1 unit**

Prerequisite: Interest and Teacher approval

This course is designed to allow students who have little or no previous training to begin Theatre instruction at the high school level. It allows students to explore the discipline of Theatre, focusing on an introduction to the methods and skills of acting within the classroom context. Students will learn and apply basic acting techniques to acting labs, acting exercises, monologues and/or scenes, audition techniques, movement and voice. No course prerequisites are required other than student expressed interest and teacher approval. This course involves more rigorous studies and broader explorations of the same topics addressed in the ½ unit offering.

Technical Theatre Arts **452500CH**
Grades: 9 – 12 **1/2 unit**

Prerequisite: Interest and Teacher approval

This course is designed to allow students to begin drama instruction at the high school level who have little or no previous training. It allows students to explore the discipline of Theatre focusing on an introduction to the methods and skills of technical theatre. It allows students to learn and apply technical knowledge to hands-on experiences in such areas as set construction, scenic painting, lighting (hanging, focusing, and board operation), sound (editing, mixing, and board operation), costume construction, and makeup for the stage. Students may be offered the opportunity to apply practical skills to live performances such as plays, musicals, band, orchestra or chorus concerts, and dance performances.

Technical Theatre Arts **452500CW**
Grades: 9 – 12 **1 unit**

Prerequisite: Interest and Teacher approval

This course is designed to allow students to begin drama instruction at the high school level who have little or no previous training. It allows students to explore the discipline of Theatre focusing on an introduction to the methods and skills of technical theatre. It allows students to learn and apply technical knowledge to hands-on experiences in such areas as set construction, scenic painting, lighting (hanging, focusing, and board operation), sound (editing, mixing, and board operation), costume construction, and makeup for the stage. Students may be offered the opportunity to apply practical skills to live performances such as plays, musicals, band, orchestra or chorus concerts, and dance performances. This course involves more rigorous studies and broader explorations of the same topics addressed in the ½ unit offering.

Theatre 1, 2, 3, and 4 **452100CW, 452200CW, 452300CW, 452400CW**

Level 1: Grades: 9 – 12 **1 unit**
Level 2: Grades: 10 - 12 **1 unit**
Level 3: Grades: 11 - 12 **1 unit**
Level 4: Grade: 12 **1 unit**

Prerequisite: For Theatre 1: Completion of Theatre: Advanced at the Middle School level with a "C" or higher, or a Passing Score on the Gifted and Talented-Artistic audition/screening; teacher approval. For Theatre 2, 3 & 4: "C" or higher in the previous course in the numbering sequence; teacher approval.

These courses are designed to further develop skills and knowledge of Theatre. The courses will consist of a historical survey of Theater, stressing major movements, literature, writers, and actors of these

periods. This survey will serve as a basis for all modern techniques. Practical application of acting techniques will begin with the basic Stanislavski system and will include movement, relaxation, and vocal development exercises and stage dialects; improvisation, monologue, and scene study; play analysis and character development. Modern acting techniques may also be explored. Scope also includes the technical aspects of Theatre production. The teacher will offer additional opportunities based on student interest and ability. All of these aspects of theater will be taught in the classroom and in practical application through public performances of full-length plays, evenings of one-act plays, or the equivalent. Participation in performances is mandatory. Some after school rehearsals may be required. Special clothing and shoes may be required at the discretion of the instructor.

Theatre 3 Honors and 4 Honors

Level 3 Honors: Grades: 11 – 12 **452300HW, 452400HW**
Level 4 Honors: Grade: 12 **1 unit Honors Weight**
1 unit Honors Weight

Prerequisite: "C" or higher in the previous course in the numbering sequence; teacher approval.

These courses are designed for highly motivated, well-prepared, committed students interested in pursuing and receiving Honors credit. There will be a concentrated study of various theatre careers besides acting. Students will investigate preparation for theatre professions and the options for training beyond the secondary level. Auditioning techniques for college scholarships and professional theatre, résumé preparation, headshots, and song preparation for audition opportunities will be stressed. Students will be required to attend performances and/or participate in theatre ensembles outside of school such as the Richland One District Theatre Ensemble, local, community, or professional theatre companies, college or university theatre performances, or other comparable theatre productions. Students are required to prepare and present an exhibition of mastery and complete honors level projects as delineated in the curriculum guide.

ART

Art 1 **350100CW**
Grades: 9-12 **1 unit**

Prerequisite: None

This is an introductory course to two-dimensional design with a studio concentration in the fundamentals of drawing, painting, and printmaking. Emphasis is placed on knowledge of basic design concepts and the use of these concepts in visual art expression.

Art 2 and 3 **350200CW, 350300CW**

Level 2: Grades: 10 – 12 **1 unit**
Level 3: Grades 11 – 12 **1 unit**

Prerequisite: "C" or higher in the previous course in the numbering sequence; teacher approval

This course is designed for in-depth studio experiences in drawing, painting, printmaking, design, and contemporary approaches to creating and responding to works of art. Exposure to the historical and cultural backgrounds of various periods and artists is included. Portfolios are developed, maintained, and assessed in this course.

Art 3 Honors **350300HW**

Level 3 Honors: Grades: 11 – 12 **1 unit Honors Weight**
Level 4 Honors: Grade 12 **1 unit Honors Weight**

Prerequisite: "C" or higher in the previous course in the numbering sequence; teacher approval

This course is based on the requirements for the Breadth section for the AP Studio Art 2D Design Portfolio or the AP Studio Art Drawing Portfolio. It is designed for highly motivated, well-prepared students who desire to produce art in a college level environment while still in high school. The students must develop a plan for his or her projects that meet the approval of the art teacher. A quality portfolio must be developed and maintained. Critique sessions with the art teacher are required upon completion of each project.

Art: Ceramics 1 and Art: Ceramics 2**456100CW, 456200CW****Level 1: Grades: 10 – 12****1 unit****Level 2: Grades: 11 – 12****1 unit**

Prerequisite: For Ceramics 1: “C” or higher in Art 1; teacher approval. For Ceramic 2: “C” or higher in previous course in numbering sequence; teacher approval.

These courses are designed to expose students to ceramics with an emphasis on the basic process of preparing, decorating, glazing, and firing clay exploration of clay, fundamental hand building processes (pinch, coil, and slab), clay decoration, and glazing techniques are included. Ceramics skills and techniques will increase in rigor based on student interest and preparation.

Art: Drawing 1 and Art: Drawing 2**352100CW, 352200CW****Level 1: Grades: 10 – 12****1 unit****Level 2: Grades: 11 – 12****1 unit**

Prerequisite: For Drawing 1: “C” or higher in Art; teacher approval. For Drawing 2: “C” or higher in the previous course in numbering sequence; teacher approval.

These courses are designed to focus on the art of drawing. Skill development, use of various media and techniques, and the fundamentals of learning to “see” and make marks are emphasized. Basic media include graphite, charcoal, ink, and pastels. Extensive sketching and maintaining a portfolio are required during the courses. Drawing skills and techniques will increase in rigor based on student interest and preparation.

Art: Painting 1 and Art: Painting 2**352500CW, 352600CW****Level 1: Grades: 10 – 12****1 unit****Level 2: Grades: 11 – 12****1 unit**

Prerequisite: For Art: Painting 1: “C” or higher in Art 1; teacher approval. For Art: Painting 2: “C” or higher in the previous course in sequence; teacher approval.

These courses are designed to focus on the art of painting. Skill development, use of various media and techniques, color theory, and drawing as painting fundamentals are emphasized. A variety of media and approaches to painting are explored regarding important historical periods, trends, and artists. Portfolios are developed, maintained, and assessed in this course. Painting skills and techniques will increase in rigor based on student interest and preparation.

Art: Photography 1 and Art: Photography 2**456600CW, 456700CW****Level 1: Grades: 10 – 12****1 unit****Level 2: Grades: 11 – 12****1 unit**

Prerequisite: For Art: Photography 1: “C” or higher in Art 1; teacher approval. For Art: Photography 2: “C” or higher in the previous course in sequence; teacher approval.

These courses are designed for students interested in the art of photography. The fundamentals of using the camera, film development, printing, and enlarging as well as developing good composition are covered in the course. Information on the history of photography, photographic criticism, and outstanding photographers are included in the course. Additional topics will include careers in photography and an expanded study of significant photographers, technical advances in photography, and photographic techniques. Portfolios are developed, maintained, and assessed during the course. Participants must submit portfolios of work for evaluation at the end of the courses. Photography skills and techniques will increase in rigor based on student interest and preparation.

Art: 3-D Design 1**350501CW****Grades: 10 – 12****1 unit**

Prerequisite: “C” or higher in Art Foundation; teacher approval.

This course is designed for students interested in three-dimensional and relief sculpture. The basic sculptural processes of carving, assemblage, and modeling (additive and subtractive) with a variety of material and techniques are included. Materials such as wire, plaster, wood, clay,

cardboard, foam, and found objects are included in the course. Sculpting skills and techniques will increase in rigor based on student interest and preparation.

Art History**358801CW****Grades: 9 – 12****1 unit****Prerequisite: None**

This course is a very broad-ranging introductory survey of art, from prehistoric times to the present. Students will look at major forms of artistic expression from various cultures. They will learn to look and analyze works of art. Students will develop an understanding that relates to how and why works of art communicate visual meaning. The course will include minor studio projects to supplement the students understanding. This course is highly recommended prior to taking AP Art History.

Advanced Placement Art History**357100AW****Grades: 11 – 12****1 unit**

Prerequisite: “B” or higher in Art 1 and one (1) other Art course; teacher approval, Portfolio Assessment.

This course is designed to provide the same benefits to secondary students as those provided in an introductory college course in art history. Students who have done well in history, literature, and upper-level studio art are encouraged to enroll. The course requires a high degree of commitment to academic work and to the purpose of a program designed to meet college standards. Students who achieve the goals of this course may receive advanced placement and/or credit at many colleges and universities with successful completion of the Advanced Placement Examination in Art History through the College Board.

Advanced Placement Studio Art: Drawing**357200AW****Grades: 11 – 12****1 unit**

Prerequisite: “B” or higher in Art 1 and one (1) other Art course; teacher approval, Portfolio Assessment.

This course is designed for highly motivated, well-prepared, committed students interested in pursuing and receiving advanced placement and/or college level studio art course work while still in high school. Participants submit a portfolio of work for evaluation at the end of the school year. The portfolio consists of three sections – quality, concentration and breadth – which are scored and graded by the Education Testing Service (ETS) of the College Board.

Advanced Placement Studio Art: Two-Dimensional Design**357400AW****Grades: 11 – 12****1 unit**

Prerequisite: “B” or higher in Art 1 and one other visual arts course; teacher approval, Portfolio Assessment.

This course is designed for motivated, well- prepared students interested in pursuing and receiving advanced placement and/or credit for college-level, studio art course work while still in high school. Participants submit a portfolio of work for evaluation at the end of the school year. The portfolio consists of three sections- 2 dimensional quality, concentration, and breadth- which are scored and graded by the Educational Testing Service (ETS) of the College Board.

Advanced Placement Studio Art: Three-Dimensional Design**357500AW****Grades: 11 – 12****1 unit**

Prerequisite: “B” or higher in Art 1 and one (1) other visual arts course; teacher approval, Portfolio Assessment.

This course is designed for motivated, well- prepared students interested in pursuing and receiving advanced placement and/or credit for college-level, studio art course work while still in high school. Participants submit a portfolio of 3-dimensional work for evaluation at the end of the school year. The portfolio consists of three sections - quality, concentration, and breadth - which are scored and graded by the Educational Testing Service (ETS) of the College Board.

GENERAL ELECTIVES

These additional general electives are taught at many of the high schools and Heyward Technology Center. Students should consider taking these courses if they want to improve their skills in specific areas.

<p>AP Seminar</p> <p>373000AW (Dreher) 1 unit</p> <p>Grades: 10 – 11</p> <p>Prerequisite: Participation in AP Capstone Program</p> <p>This course is the first course required to earn the AP Capstone Diploma. From the College Board: AP Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational literary and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in research-based written essays, and design and deliver oral and visual presentations, both individually and as part of a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision in order to craft and communicate evidence-based arguments.</p>	<p>The AP Computer Science A course introduces students to computer science fundamental topics that include problem solving, design strategies and methodologies, organization of data (data structures), approaches to processing data (algorithms), analysis of potential solutions and the ethical and social implications of computing. The course emphasizes both object-oriented and imperative problem solving and design. These techniques represent proven approaches for developing solutions that can scale up from small, simple problems to large complex problems.</p>
<p>AP Research</p> <p>373100AW (Dreher) 1 unit</p> <p>Grades: 11 – 12</p> <p>Prerequisite: AP Seminar</p> <p>This is the second course required to earn the AP Capstone Diploma. From the College Board: AP Research allows students to deeply explore an academic topic, problem, or issue of individual interest. Through this exploration, students design, plan, and conduct a year-long research-based investigation to address a research question. In the AP Research course, students further their skills acquired in the AP Seminar course by understanding research methodology, employing ethical research practices, and accessing, analyzing, and synthesizing information as they address a research question. Students explore their skill development, document their processes, and curate the artifacts of the development of their scholarly work in a portfolio. The course culminates in an academic paper of approximately 4000-5000 words (accompanied by a performance or exhibition of product where applicable) and a presentation with an oral defense.</p>	<p>Driver and Traffic Safety ED</p> <p>370100CH 1/2 unit</p> <p>Grades: 10 – 12</p> <p>Prerequisite: None</p> <p>Driver and Traffic Safety Education is designed to produce better and safer drivers by teaching the student proper methods and techniques involved in defensive driving. This course is not available to seniors and licensed drivers. Students must be 15 years of age and have a learner's permit to enroll in this class.</p>
<p>ACT Preparation</p> <p>379923CH 1/2 unit</p> <p>Grades: 10 – 12</p> <p>Prerequisite: None</p> <p>In this course students will prepare to take the ACT examination. They will review item types, complete practice tests, and learn test-taking strategies specific to the ACT. In addition, they will review how scores are reported.</p>	<p>High School 101</p> <p>339905CW 1 unit 339905CH 1/2 unit</p> <p>Grade: 9</p> <p>Prerequisite: None</p> <p>The goal of High School 101 is to assist students with the development of skills necessary for personal, social, academic, and career success. While providing orientation activities related to the school and staff, this course offers opportunities for improving study skills, decision-making skills, and communication skills. Lessons include topics on school history, activities and programs, interpersonal relationships, conflict resolution skills, self-awareness, and career planning.</p>
<p>Computer Science, Advanced Placement</p> <p>477100AW 1 unit</p> <p>Grades: 11 – 12</p> <p>Prerequisite: Algebra II</p> <p>This course is an introductory computer science course which emphasizes procedural and data abstraction, programming methodology, algorithms, and data structures. Students enrolled in AP Computer science should be competent in written communications and mathematical reasoning. Programming language C++ will be the primary focus and is required on the AP Examination. A minimum of three hours per week of laboratory time is required for success in the course. Students are required to take the Advanced Placement Computer Science Examination.</p>	<p>Honors Foundations of STEM</p> <p>380102HW 1 unit</p> <p>Grades: 9 - 10</p> <p>Prerequisite: Prior completion of Algebra</p> <p>This course provides a challenging, rigorous, hands-on curriculum that focuses on the fundamental concepts and applications of Science, Technology, Engineering, and Mathematics. Students can expect to learn scientific process skills, technological design, basic engineering principles and how mathematical modeling is used to explain relationships among data sets. The content is taught from a multidisciplinary approach, integrating the theory and applications of each discipline. This course has a heavy research focus and students will participate in a symposium where they will present the findings of an original STEM research project. Successful students will be well prepared for post secondary employment or education in STEM related fields.</p>
<p>Computer Science Applications (CSA) (Advanced Placement)</p> <p>477101AW (Keenan Only) 1 unit</p> <p>Grade 11-12</p> <p>Prerequisite: Computer Science Engineering (CSE) The assumed prerequisites for entered the AP Computer Science A course include knowledge of basic English and Algebra. A student in the AP Computer Science A should be comfortable with functions and the concepts found in the uses of function notation, such as $f(x)=x+2$ and $f(x)=g(h(x))$. It is important that students and their advisors understand that any significant computer science course builds upon a foundation of mathematical reasoning that should be acquired before attempting such a course.</p>	<p>Literature and Film</p> <p>309913CW 1 unit</p> <p>Grades: 11 – 12</p> <p>Prerequisite: Teacher Recommendation</p> <p>Students will view and review a film that correlates thematically, stylistically, and/or structurally with a literary reading. Subject matters will include most genres, written and film, and will allow many opportunities for discussion, creative projects, and writing.</p>
	<p>Olympia High School STEM Class</p> <p>380101CH 1/2 unit</p> <p>Grades: 9 - 10</p> <p>Prerequisite: None</p> <p>The STEM Lab will serve students in grades 9 - 12. This course is designed to offer an educational choice for academically motivated students interested in rigorous and relevant studies in science, technology, engineering and mathematics. Students will gain relevant, real-world, hands-on experience with cutting-edge technology and learn the importance of STEM subjects in all aspects of the world today. Students will have an option of exploring the following career related fields: Alternative Energy, Communications Technology, Environmental Technology, Multimedia Production, and Transportation Technology. This course will provide students with 21st century high-tech communication skills, presentation and workplace skills, project management and team leadership expertise, STEM research, international awareness and perspectives, global social consciousness, and a commitment to lifelong learning. Hands on projects and presentations will be required in this course.</p>

SAT Mathematics**Grade: 11****415001CW****1 unit****Prerequisite: Algebra I and Geometry**

SAT Mathematics prepares students who anticipate taking the Scholastic Assessment Tests by training them in test-taking skills appropriate for the SAT as well as refreshing students' memories regarding major mathematical concepts in arithmetic, algebra, geometry and general problem solving. Upon completion of the course, students should have a clearer understanding of the construction of the SAT and their appropriate response to it. In addition, students should have refined the mathematical skills necessary to successfully take the SAT. To accomplish these goals, a variety of teaching strategies will be used, including cooperative learning groups, brainstorming and computer-assisted instruction.

Learning Essentials (Elective)**Grades: 9-12****1 unit****Course Number:****Level I****390R51CW****Level II****390R52CW****Level III****390R54CW****Level IV****390R56CW**

The purpose of this course is to assist students in enhancing study and research skills necessary to be successful in the general education class.

Fundamental Domain I-IV**Grades: 9 - 12****1 unit****Course Number:****Level I****Level II****Level III****Level IV****39000009****39000209****39000409****39000609****39010009****39010209****39010409****39010609****39020009****39020209****39020409****39020609**

This course is designed for students following the Community/Vocational Curriculum.

Community Domain I-IV**Grades: 9 - 12****1 unit****Course Number:****Level I****Level II****Level III****Level IV****39000809****39001009****39001209****39001409****39010809****39011009****39011209****39011409****39020809****39021009****39021209****39021409**

This course is designed for students following the Community/Vocational Curriculum.

Vocational Domain I-IV**Grades: 9 - 12****1 unit****Course Number:****Level I****Level II****Level III****Level IV****39001609****39001809****39002009****39002209****39011609****39011809****39012009****39012209****39021609****39021809****39022009****39022209**

This course is designed for students following the Community/Vocational Curriculum

Domestic Domain I-IV**Grades: 9 - 12****1 unit****Course Number:****Level I****Level II****Level III****Level IV****39003209****39003409****39003609****39003809****39013209****39013409****39013609****39013809****39023209****39023409****39023609****39023809**

This course is designed for students following the Community/Vocational Curriculum.

Recreation/Leisure Domain I-IV**Grades: 9 - 12****1 unit****Course Number:****Level I****Level II****Level III****Level IV****39002609****39002609****39002809****39003009****39012409****39012609****39012809****39013009****39022409****39022609****39022809****39023009**

This course is designed for students following the Community/Vocational Curriculum.

Life Skills/Transition I-IV**Grades: 9 - 12****1 unit****Course Number:****Level I****Level II****Level III****Level IV****39020909****39025209****39021109****39025409****39030909****39031009****39031109****39031209****39040909****39041009****39041109****39041209****39050909****39051009****39051109****39051209****39060909****39061009****39061109****39061209****39070909****39071009****39071109****39071209****39120909****39121009****39121109****39121209****39130909****39131009****39131109****39131209****39140909****39141009****39141109****39141209**

This course is designed to provide life skills necessary to enable the students to be successful.

Learning Essentials Support I-IV (Elective)**Grades: 9 - 12****1 unit****Course Number:****Level I****Level II****Level III****Level IV****39025109****39020509****39020709****39021309****39035109****39030509****39030709****39031309****39045109****39040509****39040709****39041309****39055109****39050509****39050709****39051309****39065109****39060509****39070709****39061309****39075109****39070509****39070709****39071309****39125109****39120509****39120709****39121309****39135109****39130509****39130709****39131309****39145109****39140509****39140709****39141309**

The purpose of this course is to assist students in enhancing study and research skills necessary to be successful in the general education class.

CAREER AND TECHNOLOGY EDUCATION GENERAL ELECTIVES

Below are the district-wide Career and Technology Education (CATE) course offerings.

AGRICULTURE, FOOD AND NATURAL RESOURCES

Agricultural Education is a program for high school and middle school students interested in pursuing careers in natural resources, environmental and agricultural careers.

Agricultural and Bio-systems Science **569100CW**
(Keenan)
1 Unit

Grades: 10 – 11

Prerequisites: None

The Agricultural and Bio systems Science course is designed to teach essential concepts and understanding related to skills needed in pursuing a career in a biotechnology field. Emphasis is placed on scientific research and development and how it can be used to create the future advancements in Agriculture. In addition the course will teach the basic principles of plant and animal science as well as the role of agriculture in our society and the importance of agriculture to the welfare of the world. Basic personal and community leadership and safety practices are included as a part of the instructional program. Each student is expected to design and participate in a supervised agricultural experience.

Typical learning activities include hands-on learning experiences including performing research on the basic principles of plant, soil, and animal science; studying and modeling the significance of humankind's interrelationship with soil, water, and air; participating in FFA activities.

This course is a component of the following Agriculture, Food and Natural Resources Pathways:

- Bio systems Technology
- Agricultural Mechanics and Technology
- Environmental and Natural Resources Management
- Horticulture
- Plant and Animal Systems

Agricultural Mechanics and Technology **566000CW**
(Keenan)
1 Unit

Grades: 10 – 11

Prerequisites: None

The Agriculture Mechanics and Technology course is designed as an introductory course to the Agriculture Mechanics Career Pathway. In addition it provides development of general mechanical skills which are required in all areas of Agricultural Education.

Typical instructional activities include hands-on experiences in woodworking, metal working, welding, small engine repair, basic farm and homestead improvements, participating in personal and community

leadership development activities, planning and implementing a relevant school-to-work transition experience, and participating in FFA activities.

This course is a component of the following Agriculture, Food and Natural Resources Pathways:

- Agricultural Mechanics and Technology
- Environmental and Natural Resources Management
- Horticulture
- Plant and Animal Systems

Agricultural Science and Technology **562400CW**
(W. J. Keenan)
1 unit

Grades 9-12

Prerequisite: None

This course is a foundation course designed to teach essential concepts and understanding related to plant and animal life including biotechnology, the conservation of natural resources, and the impact of agricultural and natural resource utilization on the environment. Emphasis is placed on

the role of agriculture in our society and the importance of agriculture to the welfare of the world. Basic personal and community leadership and safety, and agricultural mechanical technology are included as a part of the instructional program. Each student is expected to design and participate in a supervised agricultural experience.

Agricultural Mechanics and Technology I **561000CW**
Grades 11-12 **1 unit**

Prerequisite: Previous Agricultural Course or Teacher Recommendation

This course is designed as an introductory course to the Agricultural Mechanics Career Pathway. In addition, it provides development of general mechanical skills which are required in all areas of Agricultural Education. Typical instructional activities include hands-on experiences in woodworking, metal working, welding, small engine repair, basic farm and homestead improvements, and participating in FFA activities.

Work Based Learning

569000CH **Agricultural, Food, and Natural Resources**
90 Hours, 0.5 Credit

569000CW **Agricultural, Food, and Natural Resources**
180 Hours, 1.0 Credit

Floriculture **563400CW**
(W. J. Keenan)
1 unit

Grades: 10 – 12

Prerequisite: None

The Floriculture course is designed to teach technical knowledge and skills for entry-level positions in the production, processing, and distribution of flowers, foliage, and related plant materials including best management practices in field and greenhouse production of flowers and related plant materials and the arrangement of plant materials for ornamental purposes.

Leadership and professionalism will be provided through FFA Student Organization. All students must provide the instructor with verification of medical insurance coverage. All students will join the student organization Future Farmers of America.

Golf Course Technology **566700CW**
(W. J. Keenan)
1 unit

Grades: 10 – 12

Prerequisite: None

The Golf Course Technology course is designed to qualify the student completing the course for job entry into golf course and turf fields as well as to continue advanced training in post high school education. A combination of subject matter and activities is designed to teach technical knowledge and skills for entry-level positions.

Leadership and professionalism will be provided through FFA Student Organization. All students must provide the instructor with verification of medical insurance coverage. All students will join the student organization Future Farmers of America.

Introductory Horticulture **565000CD**
(W. J. Keenan)
2 units

Grades: 9 – 12

Prerequisite: None

The courses include organized subject matter and practical experiences related to the culture of plants used principally for ornamental or aesthetic purposes. Instruction emphasizes knowledge and understanding of the importance of establishing, maintaining, and managing ornamental horticulture enterprises. Typical instructional activities include hands-on experiences with propagating, growing, establishing, and maintaining nursery plants and greenhouse crops; tissue culture techniques; designing landscapes; preparing designs; sales analysis and management; participating in personal and community leadership development activities; planning and implementing a relevant school-to-work transition experience; and participating in FFA activities. Eligible students may be nominated by their teacher to join the National Technical Honor Society.

Introduction to Veterinary Science

561300CW

(Keenan)

1 Unit

Grades: 12

Prerequisites: None

In this advanced animal science course, students will explore the field of veterinary medicine. Students will study the role of a veterinarian and veterinary technician in the diagnosis and treatment of animal diseases. Topics to be discussed include: veterinary terminology, anatomy and physiology, pathology, genetics, handling and restraint, and physical examinations along with common surgical skills. Students will engage in a variety of laboratory activities and will participate in shadowing and/or other school-to-work experiences.

This course is a component of the following Agriculture, Food and Natural Resources Pathways:

- Plant and Animal Systems

Landscape Technology

567000CW

(W. J. Keenan)

1 unit

Grades: 10 - 12

Prerequisite: Introduction to Horticulture

The course in Landscape Technology is designed to qualify the student completing the course for job entry into landscaping fields or to continue advanced training in post high school education. A combination of subject matter and activities is designed to teach technical knowledge and skills for entry-level positions in selling, selecting, and servicing. Typical instructional activities include hands-on experiences with the planning and selection of materials for the construction of hardscapes, the mechanical practices associated with irrigation and water conservation, erosion control, participating in personal and community leadership development activities, planning and implementing a relevant supervised agricultural experience, and participating in FFA activities. The teacher may select additional competencies based on a local needs assessment. Additional consideration of skills from the Certified Landscape Technician Program are recommended. This course is a component of the following Agriculture, Food and Natural Resources Pathways: Horticulture

Nursery, Greenhouse and Garden Center Technology

567200CW

(W. J. Keenan)

1 unit

Grades: 10 – 12

Prerequisite: None

The course in Nursery, Greenhouse and Garden Center Technology includes organized subject matter and practical experiences related to the operation and management of nursery, greenhouse or a garden center. Instruction emphasizes knowledge and understanding of the importance of establishing, maintaining, and managing “green industry” enterprises.

Typical instructional activities include hands-on experiences with propagating, growing, establishing, and maintaining nursery plants and greenhouse crops; tissue culture techniques; designing landscapes; preparing designs; sales analysis and management; participating in personal and community leadership development activities; planning and implementing a relevant school-to-work transition experience; and participating in FFA activities.

Turf and Lawn Management

565400CW

(W. J. Keenan)

1 unit

Grades: 10 – 12

Prerequisite: None

Turf and Lawn Maintenance course is designed to teach technical knowledge and skills for entry-level positions in the turfgrass industry. The principles and practices involved in establishing, managing, and maintaining grassed areas for ornamental and/or recreational purposes are studied.

Leadership and professionalism will be provided through FFA Student Organization. All students must provide the instructor with verification of medical insurance coverage. All students will join the student organization Future Farmers of America.

ARTS, A/V TECHNOLOGY AND COMMUNICATIONS

Arts, AV Technology, and Communications skill standards address what a worker needs to know and be able to do and contribute to a safe, productive, and effective work environment.

Image Editing 1

534000CW

Grades: 10 – 12

1 unit

Prerequisite: Integrated Business Applications OR Digital Input Technologies OR Computer Applications

This course is designed to provide the student with the knowledge and skills needed to utilize digital imaging software in editing and designing images and graphics. Students also learn the use of technologies related to digital imaging such as basic computer operations, file sharing across networks, digital scanning, digital photography, and preparing documents for output to various types of media. All students are encouraged to join Future Business Leaders of America (FBLA) and/or Skills USA.

Interior Design 1

545500CW

Grades: 10 - 12

1 unit

Prerequisite: None

Interior Design 1 focuses on the student of interior planning with emphasis on residential design. Students will apply concepts in hands-on activities as they study career paths, principles and elements of design, products and materials, client relations, and professionalism. Coordinated projects are integrated throughout the course work. Computer access is strongly recommended for this course. The Family and Consumer Sciences student organization Family, Careers, and Community Leaders of America (FCCLA) greatly enhances this curriculum. All students must provide verification of medical insurance coverage. Eligible students may be nominated by their teacher to join the National Technical Honor Society.

Interior Design 2

545600CW

Grades: 11 - 12

1 unit

Prerequisite: Interior Design 1 with a “C” or better and instructor recommendation

Interior Design 2 focuses on the student of functional and aesthetic elements of interior planning with emphasis on commercial design. Students will have an opportunity to develop advanced skills by studying career and industry trends, products and materials, client relations, presentation techniques, and business practices. Job shadowing, mentoring, internships, and/or apprenticeships are an integral part of this course. Portfolios and coordinated projects are integrated throughout the course work. Computer access is strongly recommended for this course. The Family and Consumer Sciences student organization Family, Careers, and Community Leaders of America (FCCLA) greatly enhances this curriculum. All students must provide verification of medical insurance coverage. Eligible students may be nominated by their teacher to join the National Technical Honor Society.

Work Based Learning Internship Courses

529000CH Arts, Audio-Video Technology and Communications Work Based Learning Internship 90 hours 1/2 unit

529001CH Arts, Audio-Video Technology and Communications Work Based Learning Internship 90 hours 1/2 unit

529000CW Arts, Audio-Video Technology and Communications Work Based Learning Internship 180 hours 1 unit

529001CW Arts, Audio-Video Technology and Communications Work Based Learning Internship 180 hours 1 unit

529000CD Arts, Audio-Video Technology and Communications Work Based Learning Internship

360 hours 2 units

This is a program which coordinates high school studies with a job in a field related to academic or technical education standards that provides “hands on learning” in the area of student interest with a participating business. A learning contract outlines the expectations of and responsibilities of both parties. The student works regularly during or after school in exchange for the mentor’s time in teaching and demonstrating. The work-based experience may be paid or unpaid.

BUSINESS, MANAGEMENT AND ADMINISTRATION

People with business skills are the ones that make the deals that build profitable companies that power the global economy.

Business Law **504400CW** **1 unit**

Grades: 10-12
Prerequisite: None

This course is designed to provide the student with knowledge of the legal environment in which a consumer operates, to provide the student with knowledge of the legal environment in which a business operates, and to provide the student with knowledge of legal principles. All students are encouraged to join Future Business Leaders of America (FBLA).

Business Principles and Management **509200CW** **1 unit**

Grades: 10-12
Prerequisite: Integrated Business Applications I

Students in Business Principles and Management will develop a foundation in the many activities, problems and decisions that are intrinsic to the management of a successful business, as well as an appreciation for the importance of these responsibilities. Areas to be examined include business organization, ethical and legal responsibilities, communication, decision making, personnel, safety, professional development and related careers. By gaining an understanding of these areas, students will be better prepared to enhance the business decisions of tomorrow.

Digital Desktop Publishing **517600CW** **1 unit**

Grades: 10-12
Prerequisite: Keyboarding 510000CH (or successful completion of SCDE state keyboarding proficiency exam) and Computer Applications or Integrated Business Applications 1

This course brings together graphics and text to create professional level publications. Students create, format, illustrate, design, edit/revise, and print publications. Improved productivity of digitally produced newsletters, flyers, brochures, reports, advertising materials, and other publications is emphasized. Proofreading, document composition, and communication competencies are also included. All students are encouraged to join Future Business Leaders of America (FBLA).

Digital Input Technologies **518000CW** **1 unit**

Grades: 9 – 12
Prerequisite: None

This course is designed to introduce the students to new and emerging technologies that are impacting the way we input information into computers and other devices. Students will be introduced to handwriting and speech recognition software. Personal digital assistants will be introduced as a tool for personal and business applications. Students will also have an opportunity to explore digital imaging and the various methods of input available for inclusion in documents. All students are encouraged to join Future Business Leaders of America (FBLA).

Entrepreneurship **540000CW** **1 unit**

Grades: 9 – 12
Prerequisite: None

This course is designed to provide students with the knowledge and skills leading to the development of a business plan for small business ownership. An important part of the course will be the incorporation of marketing, staffing, and financial considerations. All students are encouraged to join Future Business Leaders of America (FBLA).

Integrated Business Applications 1 **502000CW** **1 unit**

Grades: 9 - 12
Prerequisite: None

This course is designed to teach students software applications that are necessary to live and work in a technological society. The applications covered include word processing, database, spreadsheet, and presentation. Other content areas may include computer hardware, terminology, and concepts. All students are encouraged to join Future Business Leaders of America (FBLA).

Integrated Business Applications 2 **502100CW** **1 unit**

Grades: 10 – 12
Prerequisite: Successful completion of Integrated Business Applications 1

This course of study is designed to teach the student advanced computer concepts as related to processing data into useful information needed in business situations by using advanced database, spreadsheet, word processing, and presentation software capabilities. All students are encouraged to join Future Business Leaders of America (FBLA).

Digital Multimedia **503000CW** **1 unit**

Grades: 9-12
Prerequisite: Keyboarding 510000CH (or successful completion of SCDE state keyboarding proficiency exam) and Computer Applications or Integrated Business Applications 1

This course covers multimedia concepts and applications utilizing text, graphics, animation, sound, video, and various multimedia applications in the design, development, and creation of multimedia presentations and publications within an interactive environment. Students will create a digital portfolio and other independent projects.

All students are encouraged to join Future Business Leaders of America (FBLA).

Personal Finance **513100CW** **1 unit**

Grades: 9-12
Prerequisite: None

This course is designed to introduce the student to basic financial literacy skills which includes budgeting, obtaining credit, maintaining checking accounts, analyzing the basic elements of finance, computing payroll, recording business transactions, and applying computer operations to financial management. All students are encouraged to join Future Business Leaders of America (FBLA).

In situations where several career and technology student organizations (CTSOs) are represented in the class, preference should not be given to any one student organization. The standards are generic to all of the career and technology education student organizations.

Financial Literacy **528200CH** **.5 unit**

Grade: 9
Prerequisite: None

This course is designed to introduce the student to basic financial literacy skills to help them make responsible financial decisions. Concepts covered include financial planning, bank accounts, credit and loans, wages and taxes, investments and insurance.

Web Page Design & Development 1 **503100CW** **1 unit**

Grades: 10-12
Prerequisite: Keyboarding 510000CH (or Keyboarding Proficiency Test) and Computer Applications or Integrated Business Applications 1

This course is designed to provide students with the knowledge and skills needed to design Web pages. Students will develop skills in designing, implementing, and maintaining a Web site using authoring tools. Successful completion of this course will prepare the student to take industry certification test(s). All students are encouraged to join Future Business Leaders of America (FBLA).

Web Page Design & Development 2 503300CW
Grades: 10 – 12 1 unit

Prerequisite: Keyboarding 5100 and Computer Applications or Integrated Business Application 1. Also recommended prerequisite: Multimedia or Digital Input Technologies

This course is designed to provide the student with the knowledge and skills needed to design web pages. Students will develop skills in designing, implementing, and maintaining a web site using authoring tools. All students are encouraged to join Future Business Leaders of America (FBLA).

Work Based Learning Internship Courses

549000CH Business, Management, and Administration Work Based Learning Internship
 90 hours 1/2 unit

549001CH Business, Management, and Administration Work Based Learning Internship
 90 hours 1/2 unit

549000CW Business, Management, and Administration Work Based Learning Internship
 180 hours 1 unit

549001CW Business, Management, and Administration Work Based Learning Internship
 180 hours 1 unit

549000CD Business, Management, and Administration Work Based Learning Internship
 360 hours 2 units

This is a program which coordinates high school studies with a job in a field related to academic or technical education standards that provides “hands on learning” in the area of student interest with a participating business. A learning contract outlines the expectations of and responsibilities of both parties. The student works regularly during or after school in exchange for the mentor’s time in teaching and demonstrating. The work-based experience may be paid or unpaid.

Virtual Enterprise 1 515000CW
Grades: 10-12 1 unit

Prerequisite: Successful completion of a business or computer-related course

The virtual Enterprise program allows students to experience within a simulated business environment all facets of being an employee/entrepreneur. Students run simulated businesses in their schools and engage in virtual trading with other virtual businesses. The program provides students with instruction and an in-school work experience to develop college and career ready skills. Opportunities to participate in organized competitions on local, state, and national levels are integral to the course.

Virtual Enterprise 2 515100CW
Grades: 10-12 1 unit

Prerequisite: Successful completion of a business or computer-related course

The virtual Enterprise program allows students to experience within a simulated business environment all facets of being an employee/entrepreneur. Students run simulated businesses in their schools and engage in virtual trading with other virtual businesses. The program provides students with instruction and an in-school work experience to develop college and career ready skills. Opportunities to participate in organized competitions on local, state, and national levels are integral to the course.

FINANCE

The Finance cluster includes courses and/or programs related to financial planning which combines the skill sets of financial managers with that of

a more relationship-oriented individual.

Accounting 1 500100CW
Grades: 10-12 1 unit

Prerequisite: Completion of Algebra 1 or equivalent with a grade of C or better and/or instructor approval

This course is designed to help the student develop the skills necessary for the highly technical interaction between accounting and business, to develop an understanding of the steps of the accounting cycle as applied to several different kinds of business operations, and to develop an understanding of accounting concepts, principles, and practices. Use of the computer in simulated activities gives the student an opportunity to see the advantages of technology in accounting procedures. All students are encouraged to join Future Business Leaders of America (FBLA).

Accounting 2 500500CW
Grades: 10-12 1 unit

Prerequisite: Accounting 1 with minimum grade of “C” or better and/or instructor approval

This course expands the student’s understanding of accounting subsystems and develops an understanding of various methods of internal control procedures. The student develops competence in using subsidiary ledgers, in preparing financial statements, and in performing end-of-period procedures. The student will demonstrate the use of accounting principles through the use of computer software and simulated activities. All students are encouraged to join Future Business Leaders of America (FBLA).

Advanced Accounting (Accounting II Honors) 500500HW
Grades: 11-12 1 unit

Prerequisite: Accounting 1, Algebra 2, and Teacher Recommendation

This course is designed to accelerate and enhance the core Accounting II competencies by enriching the content with projects and presentations. It expands the student’s understanding of accounting subsystems and develops an understanding of various methods of internal control procedures. Students develop competence in using subsidiary ledgers, preparing financial statements, and performing end-of-period procedures. The Midlands Technical College TAP Exam will be administered as an end-of-course assessment. All students are encouraged to join Future Business Leaders of America (FBLA).

Banking Services 527100CW
Grades: 10 – 12 1 unit

Prerequisite: Business Finance or Personal Finance

This course is designed to offer a unique approach to understanding the banking services. It provides an introduction to banking services and functions, including business of banking, careers in banking and finance, origins and purposes of banking, money and interest, deposits in banking, negotiable instruments, bank loans, mortgages, commercial lending, specialized bank service, promoting the bank, and security and ethics. All students are encouraged to join Future Business Leaders of America (FBLA).

Business Finance 527300CW
Grades: 10 – 12 1 unit

Prerequisite: Accounting 1

This course is designed to provide students with a foundation in corporate business finance concepts and applications including fundamentals, financial environment, management planning, maintenance and analysis of financial records, long and short term financial activities, financial business activities, financial institutions and banking services, consumer credit, business insurance, technology and financial management, and international finance. All students are encouraged to join Future Business Leaders of America (FBLA).

Insurance 527501CW
Grades: 10 - 12 1 unit

Prerequisite: None

This course is designed to introduce the student to the basic elements of the insurance industry; auto, renter’s and homeowner’s, health, life, disability and long-term care, and other personal insurances. Career

opportunities in the insurance industry will also be discussed. Upon completion of the course, the student will have a background to seek an entry-level position in the insurance industry.

Securities and Investments **527700CW**
Grades: 10 – 12 **1 unit**

Prerequisite: Business Finance or Personal Finance

This course is designed to prepare students to make intelligent investment decisions based on their personal financial needs (or on the needs of a business). Topics include financial planning for various life stages; stocks, bonds, mutual funds, real estate, precious metals, gems and collectibles, and futures and options markets.

HEALTH SCIENCE EDUCATION

Health Science Education is a secondary program of study that promotes health career opportunities to students in grades 9-12.

After the completion of certain courses, students can earn credits through the work-based program. Work based numbers for these courses are listed at the end of this section. Students can seek approval and assistance with this program from their counselor.

AHS 119 Introduction to Health Careers (Midlands Technical College-Dual Credit) **551000EW**
Grade 12 **3 units**

Prerequisite: Students must meet the score requirements on the ACCUPLACER examination.

This course provides information on various health careers to include job responsibility, personal and educational requirements, as well as overview of the health care system with its unique nomenclature and delivery of care.

AHS 102 Medical Terminology **554100EW**
(Midlands Technical College-Dual Credit)
Grade 12 **3 units**

Prerequisite: Students must meet the score requirements on the ACCUPLACER examination.

This course is designed to introduce the student to medical terms including roots, prefixes, and suffixes, with emphasis on spelling, definition and pronunciation.

Biomedical Innovation **558300HW**
(Columbia)
(C.A. Johnson)
Grade: 12 **1 unit**

Prerequisite: None

This capstone course gives student teams the opportunity to work with a mentor, identify a science research topic, conduct research, write a scientific paper, and defends team conclusions and recommendations to a panel of outside reviewers. Each team will have one or more mentors from the scientific and/or medical community guiding their scientific research. This course may be combined with the capstone course from the pre-engineering pathway, allowing students from both pathways to work together to engineer a product that could impact healthcare. All students are asked to join Health Occupations Students of America (HOSA). Eligible students may be nominated by their teachers to join the National Technical Honor Society. Students who successfully pass the end of course exam can qualify to receive college credit from the University of South Carolina.

Health Science 1 **555000CW**
(C. A. Johnson)
(Heyward Career Center)
(Lower Richland)
Grade: 10 **1 unit**

Prerequisite: Biology

Health Science I is the first of four courses offered to students interested in pursuing a career in the healthcare field. During this first course students are introduced to healthcare history, careers, law and ethics, cultural diversity, healthcare language and math, infection control, professionalism, communication, basics of the organization of healthcare facilities, and types of healthcare insurance. Students get a good grasp

of where healthcare has been, where it's going and how professionalism and personal characteristics impact their success. Students will be introduced to **"Standard Precautions"** and learn about confidentiality through HIPPA. As students are guided through healthcare **career exploration**, they will discuss education levels, and requirements needed to be successful. Students will participate in a career project, and will hear from guest speakers in the healthcare field. Students will learn first-aid procedures and learn fire safety.

The skills and knowledge that students learn in Health Science 1 serve to prepare them for future clinical experiences such as job shadowing or internships as they advance in the Health Science courses. To advance to Health Science 2, it is recommended that students should have an 80% score or higher in Health Science 1, or teacher recommendation. All students are required to purchase an accompanying workbook (approximately \$50.00) to be used throughout the completion of the program. Students are encouraged to join Health Occupations Students of America (\$20.00) to enhance their leadership skills while gaining the basic technical knowledge and skills needed for entry level positions into the health care field. Eligible students may be nominated by their teacher to join the National Technical Honor Society (\$35.00). All students must provide verification of medical insurance coverage or purchase schools accident insurance. All students will need at least 1 uniform with designated program shoes and a watch with a second hand. All students must be up-to-date including mumps, measles, and rubella (MMR). Other vaccinations such as diphtheria and tetanus may also be required. Students will adhere to program requirements for training site agreements.

Health Science 2 **555100CW**
(C. A. Johnson)
(Heyward Career Center)
(Lower Richland)
Grade: 11 - 12 **1 unit**

Prerequisite: Successful completion of Health Science 1 or Medical Terminology

Health Science 2 applies the knowledge and skills that were learned in Health Science 1 while further challenging the students to learn more about the healthcare field. Health Science 2, will continue teaching in more detail, the units of study that include advanced study of infection control. They will learn about **"Transmission Based Precautions"** and become more familiar with OSHA, HIPPA, and the CDC. Students in Health Science 2 will learn how to take vital signs, record them and learn what the data means. Students will learn about the stages of life and **Maslow's Hierarchy** of needs. Students will learn how law and ethics are **applied** in the healthcare setting. This course will introduce students to basic patient care skills. Medical terminology, medical math and pharmacology are incorporated throughout the lessons being taught. Students will be certified in **First Aid and CPR** in this course. Career pathways and scenarios are introduced through each section. Students in this course should further their knowledge of healthcare careers and future goals by participating in **job shadowing experiences**.

This course provides a foundation for further advancement in Health Science. It is recommended that students should score an 80% or higher in this course to advance to Clinical Study. All students are required to purchase an accompanying workbook (approximately \$50.00) to be used throughout the completion of the program. Students are encouraged to join Health Occupations Students of America (\$20.00) to enhance their leadership skills while gaining the basic technical knowledge and skills needed for entry level positions into the health care field. Eligible students may be nominated by their teacher to join the National Technical Honor Society (\$35.00). All students must provide verification of medical insurance coverage or purchase schools accident insurance. All students will need at least 1 uniform with designated program shoes and a watch with a second hand. All students must be up-to-date including mumps, measles, and rubella 9MMR). Other vaccinations such as diphtheria and tetanus may also be required. Prior to shadowing experiences, students must have a TB skin test and Hepatitis B injection. Students will adhere to program requirements for training site agreements.

Health Science 3
Human Structures and Functions

555200CW/555201CD

(C. A. Johnson)
(Heyward Career Center)
(Lower Richland)
1 unit/2 units

Grades: 11-12

Prerequisite: Health Science 1 or Sports Medicine 1. Students are recommended to be First Aid and CPR certified prior to this course. Students should be familiar with general medical terminology as well as technical skills associated with vital signs. (Skills learned in HS2 or SM1). This is the third course in a 4 course sequence for Health Science.

Health Science 3 acquaints students with basic anatomy and physiology of the human body. Students learn how the human body is structured and the function of each of the 12 body systems. Students will study the relationship that the body systems have with disease from the healthcare point of view. This is a very "hands-on" course and students will learn through projects and activities in the classroom. Skill procedures and foundation standards are reviewed and integrated throughout the program. Job shadowing is encouraged. This course does not count as a lab science.

Special Requirements: All students are required to purchase an accompanying workbook (approximately \$50.00) to be used throughout the completion of the program. Students are encouraged to join Health Occupations Students of America (\$20.00) to enhance their leadership skills while gaining the basic technical knowledge and skills needed for entry level positions into the health care field. Eligible students may be nominated by their teacher to join the National Technical Honor Society (\$35.00). All students must provide verification of medical insurance coverage or purchase schools accident insurance. All students will need at least 1 uniform with designated program shoes and watch with a second hand. All students must be up-to-date including mumps, measles and rubella (MMR). Other vaccinations such as diphtheria and tetanus may also be required. Prior to shadowing experiences, students must have a TB skin test and Hepatitis B injection. Students will adhere to program requirements for training site agreements.

Health Science Clinical Study (Honors)

556000HW/556001HD

(CA Johnson)
(Heyward Career Technology)
(Lower Richland)
1 unit/2 units

Grade 12

Prerequisites-General Requirements: Health Science 1, 2 & 3 (HS 3 may be substituted with the following courses: PLTW Human Body Systems, Science-based Anatomy and Physiology, AP Biology or Medical Terminology.) Recommended prerequisites or co-requisites for the courses are Biology and Chemistry. ** Please note: Only HS3, Medical Terminology or PLTW HBS will count towards being a completer in the Health Science cluster.

Health Science Clinical Study is a course that guides students to make connections from the classroom to the healthcare industry through work-based learning experiences/activities. This course is designed to provide for further development and application of knowledge and skills common to a wide variety of healthcare professions. The students in this course will build on all information and skills presented in the previous required course foundation standards. The student, teachers and work-based learning coordinators will work together to create opportunities for the students to get the best experience available in the district's geographic region. Students in this course should be First-Aid and CPR certified before participating in any healthcare experience outside of the classroom.

Nurse-Aide candidates: Under the direction and supervision of a registered nurse, students are prepared to perform nursing-related services to patients and residents in hospitals or long-term care facilities. For Nurse-Aide programs, students will review all foundation standards in the clinical study program, as well as the addition of the SC Nurse Aide Curriculum found in the training program packet.

This course meets all DHHS federal and state requirements for a certified nurse aide program in an approved NA training facility (NA program is optional.)

Special Requirements: All students are required to purchase an accompanying workshop (approximately \$50.00) to be used throughout the completion of the program. Students are encouraged to join Health Occupations Students of America (\$20.00) to enhance their leadership skills while gaining the basic technical knowledge and skills needed for entry levels positions into the health care field. Eligible students may be nominated by their teacher to join the National Technical Honor Society (\$35.00). All students must provide verification of medical insurance coverage or purchase schools accident insurance. All students will need at least 1 uniform with designated program shoes and a watch with a second hand. All students must be up-to-date including mumps, measles, and rubella (MMR). Other vaccinations such as diphtheria and tetanus may also be required. Prior to clinical internship experience, students must have a TB skin test and Hepatitis B injection. Student personal malpractice liability insurance is required and the cost will be paid by the district. Students will adhere to program requirement for training site agreements.

Human Body Systems

558102CW

(Columbia)
(C.A. Johnson)
1 unit

Grade: 10

Prerequisite: Principles of Biomedical Sciences and enrolled in college-preparatory mathematics and science courses.

The human body is a complex system requiring care and maintenance. This course will engage students in the study of basic human physiology, especially in relationship to human health. Students will use a variety of monitors to examine body systems (respiratory, circulatory, and nervous) at rest and under stress, and observe the interactions between the various body systems. Students will use LabView® software to design and build systems to monitor body functions. All students are asked to join Health Occupations Students of America (HOSA). Eligible students may be nominated by their teachers to join the National Technical Honor Society.

Instructional and Work-based Learning Arrangements

559004CH/ 559005CW

(Lower Richland)
(C.A. Johnson)
(Heyward Career & Technology)
1/2 unit/1 unit

Grade 10-12

Prerequisite: Introduction to Health Science, Health Science Technology 1, and Sports Medicine 1 are considered comprehensive courses because the student experiences provide both a broad exposure to health careers and the foundational skills of a multi-skilled healthcare worker. Career shadowing, field trips, and guest speakers should be integral components of this classroom instructional arrangement. Students should master the essential knowledge and skills of foundation courses before enrolling in any work-based instructional class. Health Science Technology 2, Sports Medicine 2, and Gerontology may be taught by several instructional arrangements, such as laboratory, clinical rotation, mentorship, internship, and cooperative education. Each instructional arrangement is composed of classroom instruction using the health science cluster curriculum standards as a framework and a paid or unpaid, work-based learning component.

The Goals of Career Shadowing are to provide for realistic exploration of specific health careers; assist the student in assessing personal interests, aptitudes, abilities and comparing those with personal career choices; allow the student to re-evaluate and re-direct career choices; and provide students in comprehensive courses with opportunities to experience the world of healthcare in a controlled learning situation. Field trips can be one of the most valuable experiences for students, but advance planning is critical to the success of this educational tool. Successful field trips

require pre-planning with the site, arranging for transportation and a meal, recruiting chaperones, and ensuring adequate student preparation. Laboratory is a method of instruction designed to provide knowledge and skills training in a specific career pathway. The instruction is provided in a school-based laboratory setting utilizing tools, equipment, supplies, technology, and processes relevant to the career pathway. Clinical rotations, mentorships, and internships provide students with the opportunity to explore a variety of health careers, develop knowledge and skills related to healthcare, and transition from the role of student to that of professional. Students rotate among various departments of local healthcare facilities to develop an awareness of the many related career opportunities. Unpaid work-based instructional opportunities must be planned and supervised cooperatively by the local education agency and the training sponsor. In the classroom or training site, students are expected to master the essential knowledge and skills for Health Science Technology 1 and 2, Sports Medicine 1 and 2, Emergency Medical Services 1, 2, 3 and Gerontology.

Medical Intervention Honors

558200HW
(Columbia)
(C.A. Johnson)
1 unit

Grade: 11

Prerequisite: Human Body Systems

Medical practice includes interventions to support humans in treating disease and maintaining health. Student projects will investigate various medical interventions that extend and improve quality of life, including gene therapy, pharmacology, surgery, prosthetics, rehabilitation, and supportive care. Students will study the design and development of various medical interventions including vascular stents, cochlear implants, and prosthetic limbs. They will review the history of organ transplants and gene therapy, and read current scientific literature to be aware of cutting edge developments. Using 3-D imaging software and current scientific research students will design and build a model of a therapeutic protein. All students are asked to join Health Occupations Students of America (HOSA). Eligible students may be nominated by their teachers to join the National Technical Honor Society.

Medical Terminology

554000CW, 554000CD
(C. A. Johnson)
(Heyward Career Center)
(Lower Richland)
1 unit/2 units

Grades: 11- 12

Prerequisite: None

Medical Terminology is for students interested in the medical field. It is designed for eleventh and twelfth graders. This course will introduce the student to medical terms, including roots, prefixes, and suffixes, with emphasis on spelling, definition, and pronunciation. This curriculum provides an introduction to any health field. All students are strongly encouraged to join Health Occupations Students of America (\$17.00).

Pharmacology

557000CW/557000CD
(C.A. Johnson)
(Lower Richland)

Grades: 10 – 12

Prerequisite: Health Science 1, Sports Medicine, or Emergency Services 1

Contact the Guidance office at your school for Special Requirements. Pharmacology is an interactive multimedia training system specifically designed to assist pharmacy technicians in passing the Pharmacy Technician Certification Board (PTCB) national certification program. State regulations determine the exact duties that a pharmacy technician is allowed to perform. Students are required to purchase an interactive CD at a cost of \$250. Required to take the following: National Health Science Foundation Skills exam at a cost of \$24; Pharmacy Technical Certification examination at a cost of \$125; SLED background check; CPR/First Aid Training from American Red Cross at a cost of \$25. Students are guided to make connections from the classroom to the healthcare through work-based learning experiences. All students must provide verification of medical insurance coverage. Student personal malpractice liability insurance is required and the cost will be paid by the district. All students will need 2 uniforms, white shoes and a watch with a second hand. All students are strongly encouraged to join Health Occupations Students of America (HOSA) at a cost of \$20.00. HOSA is designed to enhance leadership skills and is an integral part of Health Science technology.

Prior to clinical internship experience, students must have a TB skin test and Hepatitis B injections. All immunizations must be up-to-date including mumps, measles and rubella (MMR). Other vaccinations such as diphtheria and tetanus may also be required. Students will sign and adhere to a Clinical Internship Agreement. A minimum of 1,000 hours of clinical services at a community pharmacy are required.

Principles of Biomedical Sciences

558000CW
(Columbia)
(C.A. Johnson)
1 unit

Grades: 9-10

Prerequisite: Student must be in the 10th grade and enrolled in college-preparatory mathematics and science courses. The four courses in this series are Principles of Biomedical Sciences, Human Body Systems, Medical Intervention and Science Research.

This course provides an introduction to the biomedical sciences through exciting "hands-on" projects and problems. It is designed to provide an overview of all the courses in the Biomedical Sciences program and to lay the scientific foundation necessary for success in the subsequent courses. Student work involves the study of human medicine, research processes and an introduction to bio-informatics, investigation of the human body systems and various health conditions. They investigate lifestyle choices and medical treatments that might have prolonged the person's life. Key biological concepts are embedded in the curriculum. Engineering principles are incorporated in the curriculum where appropriate. All students are asked to join Health Occupations Students of America (HOSA). Eligible students may be nominated by their teachers to join the National Technical Honor Society.

Sports Medicine 3

555700CW
(CA Johnson)
1 Unit

Grade: 12

Prerequisite: Students must have successfully completed Sports Medicine 1 & 2 with a grade of 75 or higher. It is strongly recommended that students successfully complete Medical Terminology, Health Science 3, or Anatomy and Physiology prior to this course.

Sports Medicine 3 emphasizes the student's ability to apply concepts from previous Sports Medicine course work to real-world situations and scenarios. A priority will be placed on understanding the current research and evidence based practices offering the practice of Sports Medicine professionals. Students will develop policies, procedures, and guidelines based on these aspects, as well as explore detailed treatment and rehabilitation procedures for common athletic injuries. Students are expected to participate in clinical situations either at the school with their athletic department or in an outside clinical setting for real world experience.

HOSPITALITY AND TOURISM

Hospitality and Tourism is designed to prepare students for entry-level employment in the travel and tourism industry.

Culinary Arts Introduction

572200CW
(Lower Richland)
1 unit

Grade: 10

Prerequisite: None

Do you like to travel and entertain? This career will allow you to live or visit the most romantic places and meet all kinds of people. Whether your career goal is to become a chef on a cruise liner, cater elaborate functions, own a restaurant, run a country club, or just be a part of the food and beverage services industry, the opportunities are endless. The ability to create and to work well with others is a must. The course content of this program includes work ethics; safety; sanitation; the use and care of commercial equipment; the use and care of utensils and tools; customer service duties; menu planning; food preparation; job seeking; and job keeping skills. This is an introductory course designed to give students a chance to explore Culinary Arts as a career choice.

Culinary Arts 1

572000CD
(Heyward)
(Lower Richland)

Grade: 11

2 units

**Prerequisite: GPA of 2.0 or better,
Interviewed by the Instructor**

This course prepares students for gainful employment and/or entry into post-secondary education in the food production and service industry. Content provides students the opportunity to acquire marketable skills by examining both the industry and its career opportunities. Laboratory experiences simulate commercial food production and service operations. Students will begin a two-year program called ProStart sponsored by the National Restaurant Association. This program includes the industry-driven curriculum designed by The Educational Foundation of the National Restaurant Association to teach, test and award industry recognized certificates to students meeting high standards in hospitality education and articulation with various culinary institutes. Students who complete the requirements of the two year ProStart program are awarded an industry-recognized certificate. This is the ProStart National Certificate of Achievement. To earn the certificate, students must pass two national exams, demonstrate a mastery of foundational skills and work 400 mentored hours. Students volunteer for 200 hours and acquire 200 hours of paid employment. Students may begin earning these hours upon enrollment in this class. Students will be encouraged to join the student organization Family, Career, and Community Leaders of America (FCCLA). The cost for membership is \$17.00. Eligible students may be nominated by their instructor to join the National Technical Honor Society. All students must provide the instructor with proof of medical coverage. Students are required to be in full uniform (chef coat, pants, apron and hat) during labs. The cost of the chef coat and hat is \$20.00.

Culinary Arts 2

**572100CD
(Heyward)**

(Lower Richland)

Grade: 12

2 units

**Prerequisite: • Successfully completed Culinary Arts 1 with a "C+"
average or better
• Instructor recommendation**

This course is a continuation of Culinary Arts 1. Students will complete the two-year ProStart program. This program includes the industry-driven curriculum designed by The Educational Foundation of the National Restaurant Association to teach, test and award industry recognized certificates to students meeting high standards in hospitality education and articulation with various culinary institutes. Students who complete the requirements of the two year ProStart program are awarded an industry-recognized certificate. This is the ProStart National Certificate of Achievement. To earn the certificate, students must pass two national exams, demonstrate a mastery of foundational skills and work 400 mentored hours. Students volunteer for 200 hours and acquire 200 hours of paid employment. Students will be encouraged to join the student organization Family, Career, and Community Leaders of America (FCCLA). The cost of membership is \$17.00. Eligible students may be nominated by their instructor to join the National Technical Honor Society. All students must provide the instructor with proof of medical coverage. Students are required to be in full uniform during labs.

HUMAN SERVICES

Majors within the Human Services cluster are designed to prepare students for entry-level employment in areas related to planning, managing, providing, and supporting human services such as child care services and food science technology and nutrition.

Child Development 1

**580000CW
(Eau Claire)
(Keenan)**

(Lower Richland)

Grades: 10 – 12

1 unit

Prerequisite: None

In this course, instruction is given in the responsibilities of parenting; controlling family size; prenatal development and care; followed by a study of a child's emotional, mental, social and physical development up to age five. Observations of children and careers in the care of children will be emphasized. Guided observations and participation with young children and their parents will be incorporated. The knowledge, skills, attitudes, and understanding gained will prepare a student to assume a

parental role and/or career involving the care and nurture of the young. The Family and Consumer Sciences student organization Family, Careers, and Community Leaders of America (FCCLA) greatly enhances this curriculum. Eligible students may be nominated by their teacher to join the National Technical Honor Society.

Child Development 2

580100CW

(Eau Claire)

(Keenan)

(Lower Richland)

1 unit

Grades: 10 – 12

**Prerequisite: Child Development 1 with a "C" or better and
instructor recommendation**

Child Development 2 is for the student who has a keen interest and/or an immediate need for acquiring skill in the care of young children. The skills required in Child Development I should be mastered prior to instruction in Child Development II. This course prepares students for early childhood careers. Individualized instructional strategies will be used to encourage the creative application of theories and practices to promote physical, mental, emotional, and social development. All students in this course must provide the instructor with verification of medical insurance coverage. The Family and Consumer Sciences student organization Family, Careers, and Community Leaders of America (FCCLA) greatly enhances this curriculum. Students who work with children in a School-To-Career activity must provide proof of a negative skin test that is less than one month old. Eligible students may be nominated by their teacher to join the National Technical Honor Society.

Cosmetology 1

615000CD

(Heyward)

(Lower Richland)

2 units

Grade: 11

**Prerequisite: GPA of 2.0 or better
Good attendance
Interviewed by the Instructor**

The Cosmetology Program is designed to prepare students to qualify for the state cosmetology licensure examination. This is a two year completion program. Students will receive training in the art and science of the care and beautification of hair, skin, and nails. The course of study includes scalp treatments, hair setting, hair styling, hair shaping, hair waving, hair relaxing, hair coloring, hair lightening, shampooing and rinses. Care of skin and nails includes manicuring, pedicuring, massage, facials, makeup application, and hair removal. Instruction in chemistry, bacteriology, anatomy and physiology of the face, head, hands, arms, and legs is incorporated by means of theory and practical application on mannequins and clients. Also included in the course of study is salon planning and management. Applicants must be at least 16 years old and have completed the 10th grade. Students will be encouraged to participate in the student organization Skills USA. Eligible students may be nominated by their instructor to join the National Technical Honor Society. All students must provide the instructor with proof of medical coverage. Students are required to pay a one-time fee of \$150.00 to cover the cost of workbooks, exam reviews, uniforms, consumable items and the use of a district-owned kit. Students have the option to purchase their own personal kit for an additional cost if desired. Please consult with your instructor for payment details if you wish to purchase a kit. Fees are non-refundable.

Cosmetology 2

615100CD

(Heyward)

(Lower Richland)

2 units

Grade: 11

**Prerequisite: Successfully completed Cosmetology 1 with a "C+"
average or better
Good attendance
Instructor recommendation**

This course is a continuation of Cosmetology 1. Students will be encouraged to participate in the student organization Skills USA. Eligible students may be nominated by their instructor to join the National Technical Honor Society. All students must provide the instructor with proof of medical coverage.

Cosmetology 3 Grade: 12 Prerequisite: Successfully completed Cosmetology 2 with a "C+" average or better Good attendance Instructor recommendation <p>This course is a continuation of Cosmetology 2. Students will be encouraged to participate in the student organization Skills USA. Eligible students may be nominated by their instructor to join the National Technical Honor Society. All students must provide the instructor with proof of medical coverage. Students practice and prepare for the theory and practical portions for the South Carolina Board of Cosmetology Licensure Examination.</p>	615200CD (Heyward) (Lower Richland) 2 units	Family Life Education 1 Grades: 9 – 12 Prerequisite: None <p>Your body is not the only thing that needs to be healthy! What about your relationships. Learn how to make better choices by enrolling in Family Life Education II. Family Life Education I helps students understand and learn to apply various concepts to gain and maintain healthy relationships throughout their lives. Topics such as applying interpersonal skills in relationships, critiquing financial decisions, and determining risk factors of healthy lifestyles are included in the course content. Integration of the Family and Consumer Sciences student organization, Family Careers, and Community Leaders of America (FCCLA), standards greatly enhance the curriculum.</p>	582000CW (Eau Claire) (Keenan) (Lower Richland) 1 unit
Cosmetology 4 Grade: 12 Prerequisite: Successfully completed Cosmetology 3 with a "C+" average or better Good attendance Instructor recommendation <p>This course is a continuation of Cosmetology 3. Upon the successful completion of this program, students who have earned 1500 hours of instruction in theory and practical skills may sit for the South Carolina Board of Cosmetology Licensure Examination. Students will be encouraged to participate in the student organization Skills USA. Eligible students may be nominated by their instructor to join the National Technical Honor Society. All students must provide the instructor with proof of medical coverage.</p>	615300CD (Heyward) (Lower Richland) 2 units	Family Life Education 2 Grades: 9 – 12 Prerequisite: Family Life Education 1 <p>Now that you've acquired the skills to enhance your relationships, let's further these skills to improve personal and family development. Family Life Education II stresses the role individuals must assume to improve family life. Effective personal development and the use of community resources are emphasized. Topics include but are not limited to developing healthy lifestyles, preparing for a family, managing financial resources, dealing with family crises, and developing employability skills. Integration of the Family and Consumer Sciences student organization, Family Careers, and Community Leaders of America (FCCLA), greatly enhances the curriculum.</p> <p>National Certification: Broadfield Family and Consumer Science</p>	582100CW (Eau Claire) (Keenan) (Lower Richland) 1 unit
Family and Consumer Science 1 Grades: 9 - 12 Prerequisite: None <p>Family and Consumer Sciences cover the physical, social, economic and cultural needs of individuals and families. Instruction focuses on preparation for the occupation of homemaking and the management of the dual roles of the homemaker and wage earner. Organized instruction and laboratory experiences emphasize the acquisition of knowledge and the development of understandings, attitudes and skills relevant to personal, home and family life responsibilities. It is recommended that all students join the student organization, FCCLA. Eligible students may be nominated by their teacher to join the National Technical Honor Society.</p>	580800CW (Eau Claire) (Keenan) (Lower Richland) 1 unit	Fashion, Fabric & Design 1 Grades: 10 – 12 Prerequisite: None <p>This course introduces students to the concept of choosing clothing for a purpose. Students explore color plans, gain consumer skills in making informed shopping decisions, and explore careers. Students determine clothing quality; understand the information on labels and hangtags and planning a wardrobe. Students will have the opportunity to practice sewing techniques and altering and/or repairing household and clothing items. All fabric and sewing notions are to be supplied by the student for one project. All students must provide verification of medical insurance.</p>	580400CW (Eau Claire) (Keenan) (Lower Richland) 1 unit
Family and Consumer Science 2 Grades: 10 - 12 Prerequisite: Family Consumer Science I with a "C" or better and instructor recommendation <p>This is a comprehensive exploratory course that provides more intense skills. Instruction and learning experiences emphasize family roles, relationships, responsibilities, and resources; and the development of understandings, attitudes and skills relevant to personal, home, and family life responsibilities. All students must provide the instructor with verification of medical insurance coverage. All students are strongly encouraged to join Family, Career and Community Leaders of America. FCCLA is designed to enhance leadership skills and is an integral part of Family and Consumer Sciences. Eligible students may be nominated by their teacher to join the National Technical Honor Society.</p>	580900CW (Eau Claire) (Keenan) (Lower Richland) 1 unit	Fashion, Fabric & Design 2 Grades: 10 – 12 Prerequisite: Fashion, Fabric & Design I with a "C" or better and instructor recommendation <p>Included in the study will be textiles, color analysis, wardrobe planning, interior designing, advanced and quality design techniques, and job opportunities in the clothing and interior field. All materials are to be supplied by the student for each project or garment constructed. A minimum of two projects are required and additional projects are encouraged. Tailoring techniques will be introduced as appropriate for the individual student. All students must provide the instructor with verification of medical insurance coverage; It is recommended that all students join the student organization, FCCLA. Eligible students may be nominated by their teacher to join the National Technical Honor Society.</p>	580500CW (Eau Claire) (Keenan) (Lower Richland) 1 unit

Financial Fitness 1

581200CW
(Eau Claire)
(Keenan)
(Lower Richland)
1 unit

Grades: 10 – 12

Prerequisite: None

Do you want to learn how to get the most for your money? Financial Fitness 1 is designed to help students develop financial management skills by utilizing sound decision making procedures, evaluating marketplace alternatives, creating a personal budget, becoming knowledgeable of the rights and experiences will provide real life application such as; buying a car, budgeting money, using credit wisely, selecting the first apartment, and avoiding “rip offs” when making purchases. Learning experiences emphasize financial planning and budgeting as a basis for personal/family security. It is recommended that all students join the student organization, FCCLA. Eligible students may be nominated by their teacher to join the National Technical Honor Society.

Financial Fitness 2

581300CW
(Eau Claire)
(Keenan)
(Lower Richland)
1 unit

Grades: 10 – 12

Prerequisite: Financial Fitness 1 with a “C” or better and instructor recommendation

Financial Fitness 2 is an in depth study of financial management skills. Building on the skills mastered in Financial 12, local, state, and federal consumer protection agencies, and consumer services career paths. Learning experiences will encourage higher order thinking skills, incorporate the use of technology, solve real world problems, and develop characteristics of a responsible consumer. Students will have opportunities to interact with professional from the business world. All students are strongly encouraged to join (FCCLA). Eligible students may be nominated by their teacher to join the National Technical Honor Society.

Food and Nutrition 1

582400CW
(C.A. Johnson)
(Eau Claire)
(Keenan)
(Lower Richland)
1 unit

Grades: 9 - 12

Prerequisite: None

Students enrolled in Foods and Nutrition I will receive rigorous and relevant learning experiences as they study the principles of nutrition for individual and family health, fitness, and wellness. Students will gain knowledge and experiences in nutrition, food safety and sanitation, kitchen work centers, meal planning, preparation techniques, table service and etiquette, and nutrition-related careers. Critical thinking and practical problem-solving are emphasized in a co-curricular approach that incorporates principles of mathematics, science, writing, communications, and economics. The ServSafe® employee certification provides increased marketability. Food and Nutrition I is a prerequisite for Food and Nutrition II. Inclusion of the Family and Consumer Sciences student organization, Family Careers, and Community Leaders of America (FCCLA), greatly enhances this curriculum.

National Certification: ServSafe® Employee

Food and Nutrition 2

582500CW
(C.A. Johnson)
(Eau Claire)
(Keenan)
(Lower Richland)
1 unit

Grades: 9 – 12

Prerequisite: Food and Nutrition 1

Students enrolled in Food and Nutrition II will experience an advanced program designed to provide a more in depth knowledge of individual and family health, fitness, and wellness. Students will gain knowledge and experiences in nutrition, safety and sanitation, consumer decisions, ethnic and multicultural meal preparation, table service and etiquette, and foods and nutrition-related careers. Critical thinking and practical problem-solving are emphasized in a co-curricular approach that incorporates principles of mathematics, science, writing, communications, and

economics. The ServSafe® employee certification provides increased marketability. Skills acquired in Food and Nutrition II provides a foundation for further studies and employability in nutrition and food service. Inclusion of the Family and Consumer Sciences student organization, Family Careers, and Community Leaders of America (FCCLA), greatly enhances this curriculum.

National Certification: ServSafe® Employee

Food Science and Dietetics 1

575700CW
(C.A. Johnson)
(Eau Claire)
(Keenan)
(Lower Richland)
1 unit

Grade: 11 – 12

Prerequisite: Physical Science and/or Food and Nutrition I, and/or Sports Nutrition

Discover the science behind your favorite foods! How is root beer made? Are all additives bad? Will you get sick if you eat mold? These questions and more will be answered. Learn biology, chemistry, and physics as you investigate principles of food processing and food science. Topics to be covered include food safety and regulations, processing and preservation, product development, and nutritional content of various foods. The course places emphasis on hands-on lab activities and discussion. Integration of the Family and Consumer Sciences co-curricular student organization, Family Career and Community Leaders of America (FCCLA), greatly enhances this course.

Food Science and Dietetics 2

575800CW
(C.A. Johnson)
(Eau Claire)
(Keenan)
(Lower Richland)
1 unit

Grades: 11 – 12

Prerequisite: Physical Science and/or Food and Nutrition I, and/or Sports Nutrition 1

Discover different ways to preserve food. Create an original food product, technique, or process to be used in the food industry. Learn biology, chemistry, and physics as you continue to investigate principles of food processing and food science. Topics to be covered include food safety and regulations, processing and preservation, product development, and nutritional content of various foods. The course places emphasis on hands-on lab activities and discussion. Integration of the Family and Consumer Sciences co-curricular student organization, Family, Career and Community Leaders of America (FCCLA), greatly enhances this course.

National Certification: Food Science Fundamentals AAFCS

Parenting Education 1

581600CW
1 unit

Grades: 10 – 12

Prerequisite: None

Enroll in this course to learn about being an effective parent through the study of the core of parenting which is the emotional nurturing of the child, including affection, child-parent relationships, guidance of behavior, and establishment of ethical and moral values. Parenting Education also includes: a study of birth control, health and physical care of an infant, prenatal and postnatal care, and providing food, clothing, and shelter. This course is a logical follow-up to Family Life or could be taken before Child Development. It is recommended that all students join the student organization, FCCLA. Eligible students may be nominated by their teacher to join the National Technical Honor Society.

INFORMATION TECHNOLOGY

Information Technology careers involves the design, development, support, and management of hardware, software, multimedia and systems integration services.

Computer Programming 1

505000CW
1 unit

Grades: 9 -1 2

Prerequisite: Any computer related course, Algebra 1 and/or Teacher Recommendation and an overall CPA of 2.0

or better.

This course emphasizes the fundamentals of computer programming. Topics include computer hardware and software, program design and development, and practical experience in programming in a high-level procedural language. All students are encouraged to join Future Business Leaders of America (FBLA) and/or Skills USA.

Computer Programming 2 **505100CW**
Grades: 11-12 **1 unit**
Prerequisite: Computer Programming 1 in same language with a “C” or better and instructor recommendation and Teacher Recommendation

The fundamentals of programming are continued in this level and expanded to include program documentation and procedures. Students will develop programs involving input/output operations, different types of data, looping, functions, and arrays that will read and process data from files. All students are encouraged to join Future Business Leaders of America (FBLA) and/or Skills USA.

Image Editing 1 **534000CW**
Grades: 10 – 12 **1 unit**
Prerequisite: Integrated Business Applications OR Digital Input Technologies OR Computer Applications

This course is designed to provide the student with the knowledge and skills needed to utilize digital imaging software in editing and designing images and graphics. Students also learn the use of technologies related to digital imaging such as basic computer operations, file sharing across networks, digital scanning, digital photography, and preparing documents for output to various types of media. All students are encouraged to join Future Business Leaders of America (FBLA) and/or Skills USA.

Work Based Learning Internship Courses

539000CH	Information Technology Work Based Learning Internship 90 hours 1/2 unit
539001CH	Information Technology Work Based Learning Internship 90 hours 1/2 unit
539000CW	Information Technology Work Based Learning Internship 180 hours unit
539001CW	Information Technology Work Based Learning Internship 90 hours 1 unit
539000CD	Information Technology Work Based Learning Internship 360 hours 2 units

This is a program which coordinates high school studies with a job in a field related to academic or technical education standards that provides “hands on learning” in the area of student interest with a participating business. A learning contract outlines the expectations of and responsibilities of both parties. The student works regularly during or after school in exchange for the mentor’s time in teaching and demonstrating. The work-based experience may be paid or unpaid.

LAW, PUBLIC SAFETY, CORRECTIONS AND SECURITY

The Law, Public Safety and Security Career Cluster helps prepare learners for careers in planning, managing, and providing legal, public safety, protective services and homeland security, including professional and technical support services.

Firefighter 1 **651400CD**
(Lower Richland)
Grades: 10 – 11 **2 Units**

Prerequisite: Algebra I, Application Process, and overall GPA of “C” or better

This course provides the basic skills necessary to get personnel operational and performing on the fire ground. Topics include the following: orientation to the fire service; safety; fire department communications; fire behavior; fire prevention and public fire education; protective clothing; building search and victim removal; ropes and knots; building construction; forcible entry and forcible entry construction techniques; ground ladders; ventilation; hose practices, water supply, and fire streams; Classes A, B, C, and D fire identification and classification; vehicle and wild land fire control; portable extinguishers and sprinkler system fundamentals; and salvage, overhaul and protecting evidence of fire cause. Successful completion of written and performance testing is required. Requirements: All students enrolled in this course must provide the instructor with verification of medical insurance coverage. All students are asked to join Skills USA student organization costing approximately \$17.00. Each student is responsible for the purchase and maintenance of their safety shoes.

Firefighter 2 **651500CD**
(Lower Richland)
Grades: 11 – 12 **2 Units**
Prerequisite: Completion of Firefighter I with a “C” or better, Instructor Recommendation

This course provides students with the knowledge and skills to meet the National Firefighter Standards. Topics include the following: radio communications and incident reports, pre-incident surveys, rescues and extrication tools, vehicle extrication and special rescues, hydrant flow and operability, hose tools and appliances, foam fire streams, fire detection, alarm and suppression systems, construction materials and building collapse, and fire cause and origin. The course introduces the Emergency Medical Services System and implementation of proper safety and infection control measures. Successful completion of written and performance testing is required to meet national firefighting certification. Requirements: All students enrolled in this course must provide the instructor with verification of medical insurance coverage. All students are asked to join Skills USA student organization costing approximately \$17.00. Each student is responsible for the purchase and maintenance of their safety shoes.

Work Based Learning Internship Courses

659000CH	Law, Public Safety, Corrections, and Security Work Based Learning Internship 90 hours, 1/2 unit
659001CH	Law, Public Safety, Corrections, and Security Work Based Learning Internship 90 hours, 1/2 unit
659000CW	Law, Public Safety, Corrections, and Security Work Based Learning Internship 180 hours, 1 unit
659001CW	Law, Public Safety, Corrections, and Security Work Based Learning Internship 180 hours, 1 unit
659000CD	Law, Public Safety, Corrections, and Security Work Based Learning Internship 360 hours, 2 units

This is a program which coordinates high school studies with a job in a field related to academic or technical education standards that provides “hands on learning” in the area of student interest with a participating business. A learning contract outlines the expectations of and responsibilities of both parties. The student works regularly during or after school in exchange for the mentor’s time in teaching and demonstrating. The work-based experience may be paid or unpaid.

MARKETING

The Marketing cluster includes courses and/or programs related to planning, managing, and performing wholesaling and retailing services and related marketing and distribution support services including merchandise/product management and promotion.

Advertising **547000CW**
Grades: 10 – 12 **1 unit**

Prerequisite: The proceeding levels with a “C” or better and instructor recommendation

This course is designed to introduce the concepts of advertising, planning, strategies, communication skills, and professional development. Course content includes budget development, media selection, design, and the preparation of ads for various media. All students are encouraged to join Future Business Leaders of America (FBLA) and/or DECA (An Association of Marketing Students).

Marketing 1 **542100CD**
Grades: 9 – 12 **2 units**

Prerequisite: None

This course introduces marketing concepts and examines the economic, marketing, and business fundamentals, in addition to the marketing functions of selling, promotion, and distribution. The standards listed are core standards and those standards reflecting the needs of the local business community. This is the basic course in the marketing curriculum and should be taken before the specialized courses. All students are encouraged to join Future Business Leaders of America (FBLA) and/or DECA (An Association of Marketing Students).

Marketing Management **543100CD**
Grades: 11-12 **2 units**

Prerequisite: Marketing 1

This course includes the analysis of the marketing functions by examining in-depth human resource foundations, marketing and business fundamentals, distribution, promotion, retailing, fashion, hospitality, and tourism as applied in merchandising. Projects and computer simulations will allow students to further develop marketing strategies.

Merchandising **543000CW**
Grades: 11 – 12 **1 unit**

Prerequisite: Marketing 1 with a “C” or better and instructor recommendation

This course is designed to prepare individuals to function as professional buyers of resale products and product lines for stores, chains, and other retail enterprises. The course content includes instruction in product evaluation, merchandising, applicable aspects of brand and consumer research, principles of purchasing, and negotiation skills. All students are encouraged to join Future Business Leaders of America (FBLA) and/or DECA (An Association of Marketing Students)

Sports and Entertainment Marketing **542500CW**
Grades: 10-12 **1 unit**

Prerequisite: None

This program is for students who wish to pursue careers in the various areas of the sports and entertainment industry. This includes careers in box office management and sales, group sales, public sales, marketing, operations, development and sports programming. All students are encouraged to join Future Business Leaders of America (FBLA) and/or DECA (An Association of Marketing Students).

Work Based Learning Internship Courses

509100CH **Marketing Work Based Learning Internship**
90 hours 1/2 unit

509101CH **Marketing Work Based Learning Internship**
90 hours 1/2 unit

509100CW **Marketing Work Based Learning Internship**
180 hours 1 unit

509101CW **Marketing Work Based Learning Internship**
180 hours 1 unit

509100CD **Marketing Work Based Learning Internship**
360 hours 2 units

This is a program which coordinates high school studies with a job in a field related to academic or technical education standards that provides “hands on learning” in the area of student interest with a participating business. A learning contract outlines the expectations of and responsibilities of both parties. The student works regularly during or after school in exchange for the mentor’s time in teaching and demonstrating. The work-based experience may be paid or unpaid.

SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS/PROJECT LEAD THE WAY

The Science, Technology, Engineering, and Mathematics Cluster incorporate career opportunities in all aspects of engineering and engineering technologies.

Aerospace Engineering (Honors)

605600CW/605601HW
(Columbia)
(Dreher)
(Keenan)
(Lower Richland)
1 unit

Grades: 11 – 12

Prerequisite: The proceeding levels with a “C” or better and instructor recommendation

Through hands-on engineering projects developed with NASA, students learn about aerodynamics, astronautics, space-life sciences, and systems engineering (which includes the study of intelligent vehicles like the Mars rovers Spirit and Opportunity).

Special Requirements: All students enrolled in this course must provide the instructor with verification of medical insurance coverage. All students are asked to join Technology Student Association (TSA) costing approximately \$17.00. Eligible students may be nominated by their teacher to join the National Technical Honor Society. This course also meets the requirements for high school graduation credit in Computer Science. Students who successfully pass the end of course exam can qualify to receive college credit from the University of South Carolina.

Biotechnical Engineering (Honors)

605700CW/605700HW
(Lower Richland)
1 unit

Grades: 11 – 12

Prerequisite: The proceeding levels with a “C” or better and instructor recommendation

The major focus of this course is to expose students to the diverse fields of biotechnology including biomedical engineering, molecular genetics, bioprocess engineering, and agricultural and environmental engineering. Lessons engage students in engineering design problems related to biomechanics, cardiovascular engineering, genetic engineering, agricultural biotechnology, tissue engineering, biomedical devices, forensics and bioethics. Students, usually 11th and 12th grade level, apply biological and engineering concepts to design material and processes that directly measure, repair, improve and extend living systems. Special Requirements: All students enrolled in this course must provide the Instructor with verification of medical insurance coverage. All students are asked to join Technology Students Association (TSA) costing approximately \$17.00. Eligible students may be nominated by their teacher to join the National Technical Honor Society. This course also meets the requirements for high school graduation credit In Computer Science. Students who successfully pass the end of course exam can qualify to receive college credit from the University of South Carolina.

Civil Engineering and Architecture (Honors) 605800CW/608501HW
(Columbia)
(Dreher)
(Keenan)
(Lower Richland)

Grades: 11– 12

Prerequisite: The proceeding levels with a “C” or better and instructor recommendation.

The major focus of the Civil Engineering and Architecture (CEA) course is a long-term project that involves the development of a local property site. As students learn about various aspects of civil engineering and architecture, they apply what they learn to the design and development of this property. The course provides freedom to the teacher and students to develop the property as a simulation or to students to model the real-world experiences that civil engineers and architects experience when developing property. The course of study includes: The Roles of Civil Engineers and Architects, Project Planning, Site Planning, Building Design, and Project Documentation and Presentation. All students must provide the instructor with verification of medical insurance coverage. All students are asked to join Technology Student Association (TSA) costing approximately \$17.00. Eligible students may be nominated by their teacher to join the National Technical Honor Society. This course also meets the requirements for high school graduation credit in Computer Science. Students who successfully pass the end of course exam can qualify to receive college credit from the University of South Carolina.

Computer Integrated Manufacturing (Honors) 605300CW/605301HW
(Keenan)

Grades: 11 – 12

Prerequisite: The proceeding levels with a “C” or better and instructor recommendation.

This course teaches the fundamentals of computerized manufacturing technology. Students use 3-D computer software to solve design problems. The course includes these integrated concepts: Computer Modeling - Students use 3-D software for mass property analysis; Computer Numerical Control (CNC) Equipment - Students develop an understanding of the operating procedures and programming capabilities of machine tools; Computer-Aided Manufacturing (CAM). Special Requirements: All students enrolled in this course must provide the instructor with verification of medical insurance coverage. All students are asked to join Technology Student Association (TSA) costing approximately \$17.00. Eligible students may be nominated by their teacher to join the National Technical Honor Society. This course also meets the requirements for high school graduation credit in Computer Science. Students who successfully pass the end of course exam can qualify to receive college credit from the University of South Carolina.

Computer Science and Software Engineering (CSE) 609601HW
(Keenan)
(Lower Richland)

Grades: 10 - 12

Prerequisite: Introduction to Engineering Design and Principles of Engineering

Computer Science and Software Engineering is a new elective in the Pathways to Engineering sequence of Project Lead the Way. This course covers the basics of programming and developing software, including algorithms, several programming languages, HTML, cryptography, data analysis, simulations and Android application construction. This course would be open to juniors and seniors who completed the prerequisites with a “C” average or better.

Digital Electronics (Honors) 606300CW/605200HW
(Columbia)
(Dreher)
(Keenan)
(Lower Richland)

Grades: 11– 12

Prerequisite: Principles of Engineering with a “C” or better and instructor recommendation

This is a course in applied logic that encompasses the application of electronic circuits and devices. Computer simulation software is used to design and test digital circuitry prior to the actual construction of circuits and devices. Special Requirements: All students enrolled in this

course must provide the instructor with verification of medical insurance coverage. All students are asked to join Technology Student Association (TSA) costing approximately \$17.00. Eligible students may be nominated by their teacher to join the National Technical Honor Society.

Introduction to Engineering Design (Honors) 605100CW/605100HW
(Columbia)
(Dreher)
(Keenan)
(Lower Richland)

Grades: 9 – 10

Prerequisite: Introduction to Engineering Design - Algebra I or equivalent, overall GPA of 2.0 or higher

This is a course that teaches problem-solving skills using a design development process. Models of product solutions are created analyzed and communicated using solid modeling computer design software. Special Requirements: All students enrolled in this course must provide the Instructor with verification of medical insurance coverage. All students are asked to join Technology Student Association (TSA) costing approximately \$17.00. Eligible students may be nominated by their teacher to join the National Technical Honor Society. This course also meets the requirements for high school graduation credit in Computer Science. Students who successfully pass the end of course exam can qualify to receive college credit from the University of South Carolina.

Engineering Design and Development 605400CW
(Columbia)
(Keenan)

Grades: 9 – 12

Prerequisite: Instructor recommendation.

This is the Capstone course for Project Lead the Way curriculum. Students must research, produce a product, develop a portfolio, and give a presentation to the Industrial Board. (Entire Board does not have to be present.) Special Requirements: All students enrolled in this course must provide the instructor with verification of medical insurance coverage. All students are asked to join Technology Student Association (TSA) costing approximately \$17.00.

Engineering Design and Development (Honors) 605400HW
(Columbia)
(Keenan)

Grade: 12

Prerequisite: Instructor recommendation.

This is the Capstone course for Project Lead the Way curriculum. Students must research, produce a product, develop a portfolio, and give a presentation to the Industrial Board. (Entire Board does not have to be present.) Special Requirements: All students enrolled in this course must provide the instructor with verification of medical insurance coverage. All students are asked to join Technology Student Association (TSA) costing approximately \$17.00. Eligible students may be nominated by their teacher to join the National Technical Honor Society.

Principles of Engineering (Honors) 605000CW/605001HW
(Columbia)
(Dreher)
(Keenan)
(Lower Richland)

Grades: 10 – 12

Prerequisite: The proceeding levels with a “C” or better and instructor recommendation.

This is a course that helps students understand the field of engineering/ engineering technology. Exploring various technology systems and manufacturing processes help students learn how engineers and technicians use math, science and technology in an engineering problem solving process to benefit people. The course also includes concerns about social and political consequences of technological change. Special Requirements: All students enrolled in this course must provide the instructor with verification of medical insurance coverage. All students are asked to join Technology Student Association (TSA) costing approximately \$17.00. Eligible students may be nominated by their teacher to join the National Technical Honor Society.

Technology for the 21st Century

539903CW
(Olympia Learning Center)
1 unit

Grades: 10 – 12

Prerequisite: None

Technology for the 21st Century is a dynamic program of study activity in a laboratory setting. It provides students, by design, with a broad set of experiences in solving technological problems using the technological problem-solving method; higher-order thinking skills; individual and collaborative ingenuity; and a variety of resources including formation, tools, and materials. Students will learn the positive and negative impacts of technology. Students apply knowledge, creativity and resources to solve real world, context-based problems in the topic areas of communication, construction, transportation and manufacturing. Students will apply science, math, language, and social sciences to form solutions to technology-based problems. Students explore career opportunities related to the technology topics under study that align with personal interest and abilities.

Work Based Learning Internship Courses

609000CH	Science, Technology, Engineering, and Mathematics Work Based Learning Internship 90 hours 1/2 unit
609001CH	Science, Technology, Engineering, and Mathematics Work Based Learning Internship 90 hours 1/2 unit
609000CW	Science, Technology, Engineering, and Mathematics Work Based Learning Internship
609001CW	Science, Technology, Engineering, and Mathematics Work Based Learning Internship 180 hours 1 unit
609000CD	Science, Technology, Engineering, and Mathematics Work Based Learning Internship 360 hours 2 units

This is a program which coordinates high school studies with a job in a field related to academic or technical education standards that provides “hands on learning” in the area of student interest with a participating business. A learning contract outlines the expectations of and responsibilities of both parties. The student works regularly during or after school in exchange for the mentor’s time in teaching and demonstrating. The work-based experience may be paid or unpaid.

HEYWARD CAREER & TECHNOLOGY CENTER

The Heyward Career and Technology Center offers courses in a variety of careers and technical areas designed specifically to prepare students for success following high school, whether college, technical school, or the workforce. Classes at Heyward provide an opportunity to apply reading, writing, and computation skills in a project-based learning environment. Courses at Heyward are organized in Clusters of Study and the work-based numbers are listed at the end of each cluster.

Courses offered at Heyward Career and Technology Center are listed and/or described in this section. Listed courses without descriptions are detailed in another section of the catalog, because they are also taught at one or more of the high schools. Work based numbers for these courses are listed at the end of each section. See your counselor about courses offered at Heyward or the other high schools.

ARCHITECTURE AND CONSTRUCTION

Architecture and construction courses can introduce students to the construction industry and related career fields in construction management, architecture, building construction inspection, and planning and design.

Computer Assisted Design Technology 1

Grades: 10 – 11

617000CD
2 units

Prerequisite: Algebra 1 or equivalent, overall GPA of 2.0 or higher

The skills taught in this course are designed to assist students in preparing them to perform entry level tasks in Architectural Drafting and machine drafting. The course is also designed to teach student basic drafting skills through the use of specialized tools and equipment (drafting tables and drafting machines), CAD software and peripheral equipment with computer technology. Students who successfully complete this course will have an opportunity to enroll in an advanced level of Computer Assisted Design. Students who successfully complete the two-year program will have skills and the foundation to prepare themselves for a career as a drafter, technician, engineer, architect or designer. Special Requirements: All students enrolled in this course must provide the instructor with verification of medical insurance coverage. All students are asked to join Skills USA costing approximately \$17.00.

Computer Assisted Design Technology 2

Grades: 11 – 12

2 units

617100CD

Prerequisite: Level 1 with a “C” or better and instructor recommendation

Senior level students will perform advanced command sets in the CAD program. The student will complete a full set of drawings in the specific field of choice (architectural or mechanical). Students will be allowed to produce a work portfolio to present to prospective employers and colleges. The students will have a broad knowledge of current office programs with specialization in computer design technology. Special Requirements: All students enrolled in this course must provide the instructor with verification of medical insurance coverage. All students are asked to join Skills USA costing approximately \$17.00.

Construction Technology 1

Grades: 10 - 11

2 units

606000CD

Prerequisite: Algebra 1 with a “C” or better, successfully completed the 9th grade and overall GPA of 2.0 or better.

Construction Technology 1 is designed to provide students with basic construction skills, safety, math for construction, and power tools, basic blueprint reading, and basic rigging. Students will construct floor systems, walls and frames, basic electricity, and dry wall installation. Students that successfully complete this course will receive nationally recognized credentials through the National Center for construction Education and Research (NCCER). All students are asked to join Skills USA costing approximately \$17.00. Requirement for NCCER certification: Student must successfully complete all required levels. Special requirement: All students enrolled in this course must provide the instructor verification of medical insurance coverage.

Construction Technology 2

Grades: 11 - 12

606100CD

2 units

Prerequisite: Completion of Level 1 with a “C” or better, instructor recommendation, successfully completed the 10th grade and an overall GPA of 2.0 or better.

Construction Technology 2 is designed to provide students with advanced construction skills, safety math for construction, power tools, basic understanding of Smart Home operations, product installation, system installation, and troubleshooting. Students will be introduced to advanced operation and installation of construction products. Students that successfully complete this course will receive nationally recognized credentials through the National Center for construction education and research (NCCER). All students are asked to join Skills USA costing approximately \$17.00. Requirement for NCCER certification: Student must successfully complete Construction Technology 1.

Construction Technology 3

Grades: 12

606110CD

2 units

Prerequisite: Completion of Construction Technology 2 with a “C” or better, instructor recommendation, successfully completed the 11th grade and an overall GPA of 2.0 or better.

In this course students will be introduced to all aspects of alternative energy. Students will be introduced to Solar Photovoltaics to include systems and components, electrical and mechanical designs, and system

performance and troubleshooting. Students will also learn proper solar installation and maintenance. Students that successfully complete this course will receive nationally recognized credentials through the National Center for Construction Education and Research. All students are asked to join Skills USA costing approximately \$17.00. Requirement for NCCER certification: Students must successfully complete Construction Technology 1 & 2.

Work Based Learning Internship Courses

629900CH	Architecture & Construction Work Based Learning Internship 90 hours, 1/2 unit
629901CH	Architecture & Construction Work Based Learning Internship 90 hours, 1/2 unit
629900CW	Architecture & Construction Work Based Learning Internship 180 hours, 1 unit
629901CW	Architecture & Construction Work Based Learning Internship 180 hours, 1 unit
629900CD	Architecture & Construction Work Based Learning Internship 360 hours, 2 units

This is a program which coordinates high school studies with a job in a field related to academic or technical education standards that provides “hands on learning” in the area of student interest with a participating business. A learning contract outlines the expectations of and responsibilities of both parties. The student works regularly during or after school in exchange for the mentor’s time in teaching and demonstrating. The work-based experience may be paid or unpaid.

ARTS, A/V TECHNOLOGY AND COMMUNICATIONS

Arts, AV Technology, and Communications skill standards address what a worker needs to know and be able to do and contribute to a safe, productive, and effective work environment.

Entertainment/Media Technology 1 **612400CD**
Grades: 10 – 11 **2 units**

Prerequisite: Algebra 1 with a “C” or better, successfully completed the 9th grade with overall GPA of 2.0 or better.

This course will include many “on the job” experiences. Students will be involved in the production of both live and taped news stories. This course includes the creative process of information gathering and the technical aspects of video production along with the delivery of news in a television studio. Students taking this course will explore the general field of communications and will focus primarily on the radio, television, and film-making industries. Students will get hands-on experience in basic production techniques, and they will produce video projects for various purposes and groups. Students will learn how to use digital video cameras as well as editing programs such as Final Cut Pro. When possible students will also take field trips, have guest speakers from the communications industry and shadow professionals in the field. All students are asked to join the student organization Skills USA costing approximately \$17.00. Eligible students may be nominated by their teacher to join the National Technical Honor Society.

Entertainment/Media Technology 2 **612500CD**
Grades: 11 – 12 **2 units**

Prerequisite: Completion of Level I with a “C” or better, instructor recommendation, successfully completed the 10th grade, and an overall GPA of 2.0 or better

In this course, students will continue to develop their skills as broadcast journalists by writing, directing, producing and editing video pieces of

increasing complexity. Second-year students will continue to develop expertise with professional digital video cameras and non-linear editing software. A greater focus will be placed on careers in the communications industry. They will work closely with professionals in the industry and produce professional-level programming or other projects with their help. Second-year students will begin to specialize in one particular area of mass communications, developing a final project in this area as well as pursuing professional relationships with workers in the industry. All students are asked to join Skills USA costing approximately \$17.00. Eligible students may be nominated by their teacher to join the National Technical Honor Society.

HEALTH SCIENCE EDUCATION

Health Science Education is a secondary program of study that promotes health career opportunities to students in grades 9-12.

Health Science 1 **555000CD**
Grade: 10 **2 units**

Prerequisite: Biology

Health Science I is the first of four courses offered to students interested in pursuing a career in the healthcare field. During this first course students are introduced to healthcare history, careers, law and ethics, cultural diversity, healthcare language and math, infection control, professionalism, communication, basics of the organization of healthcare facilities, and types of healthcare insurance. Students get a good grasp of where healthcare has been, where it’s going and how professionalism and personal characteristics impact their success. Students will be introduced to “Standard Precautions” and learn about confidentiality through HIPPA. As students are guided through healthcare career exploration, they will discuss education levels, and requirements needed to be successful. Students will participate in a career project, and will hear from guest speakers in the healthcare field. Students will learn first-aid procedures and learn fire safety. The skills and knowledge that students learn in Health Science 1 serve to prepare them for future clinical experiences such as job shadowing or internships as they advance in the Health Science courses. To advance to Health Science 2, it is recommended that students should have an 80% score or higher in Health Science 1, or teacher recommendation. All students are required to purchase an accompanying workbook (approximately \$50.00) to be used throughout the completion of the program. Students are encouraged to join Health Occupations Students of America (\$20.00) to enhance their leadership skills while gaining the basic technical knowledge and skills needed for entry level positions into the health care field. Eligible students may be nominated by their teacher to join the National Technical Honor Society (\$35.00). All students must provide verification of medical insurance coverage or purchase schools accident insurance. All students will need at least 1 uniform with designated program shoes and a watch with a second hand. All students must be up-to-date including mumps, measles, and rubella (MMR). Other vaccinations such as diphtheria and tetanus may also be required. Students will adhere to program requirements for training site agreements.

Health Science 2 **555100CW (Fall Semester Only)**
Grade: 11 **2 unit**

Prerequisite: Successful completion of Health Science 1. Student must concurrently enroll in Health Science 1 in the Fall Semester)

Health Science 2 applies the knowledge and skill s that were learned in Health Science 1 while further challenging the students to learn more about the healthcare field. Health Science 2, will continue teaching in more detail, the units of study that include advanced study of infection control. They will learn about “Transmission Based Precautions” and become more familiar with OSHA, HIPPA, and the CDC. Students in Health Science 2 will learn how to take vital signs, record them and learn what the data means. Students will learn about the stages of life and Maslow’s Hierarchy of needs. Students will learn how law and ethics are applied in the healthcare setting. This course will introduce students to basic patient care skills. Medical terminology, medical math and pharmacology are incorporated throughout the lessons being taught. Students will be certified in First Aid and CPR in this course. Career pathways and scenarios are introduced through each section. Students in this course should further their knowledge of healthcare careers and

future goals by participating in job shadowing experiences. This course provides a foundation for further advancement in Health Science. It is recommended that students should score an 80% or higher in this course to advance to Clinical Study. All students are required to purchase an accompanying workbook (approximately \$50.00) to be used throughout the completion of the program. Students are encouraged to join Health Occupations Students of America (\$20.00) to enhance their leadership skills while gaining the basic technical knowledge and skills needed for entry level positions into the health care field. Eligible students may be nominated by their teacher to join the National Technical Honor Society (\$35.00). All students must provide verification of medical insurance coverage or purchase schools accident insurance. All students will need at least 1 uniform with designated program shoes and a watch with a second hand. All students must be up-to-date including mumps, measles, and rubella 9MMR). Other vaccinations such as diphtheria and tetanus may also be required. Prior to shadowing experiences, students must have a TB skin test and Hepatitis B injection. Students will adhere to program requirements for training site agreements.

Health Science 3 **555200CW (Spring Semester Only)**
Grade: 12 **1 unit**
Prerequisite: Successful completion of Health Science 1. Student must concurrently enroll in Health Science 3 in the Spring Semester)

Health Science 2 applies the knowledge and skill s that were learned in Health Science 1 while further challenging the students to learn more about the healthcare field. Health Science 2, will continue teaching in more detail, the units of study that include advanced study of infection control. They will learn about "Transmission Based Precautions" and become more familiar with OSHA, HIPPA, and the CDC. Students in Health Science 2 will learn how to take vital signs, record them and learn what the data means. Students will learn about the stages of life and Maslow's Hierarchy of needs. Students will learn how law and ethics are applied in the healthcare setting. This course will introduce students to basic patient care skills. Medical terminology, medical math and pharmacology are incorporated throughout the lessons being taught. Students will be certified in First Aid and CPR in this course. Career pathways and scenarios are introduced through each section. Students in this course should further their knowledge of healthcare careers and future goals by participating in job shadowing experiences. This course provides a foundation for further advancement in Health Science. It is recommended that students should score an 80% or higher in this course to advance to Clinical Study. All students are required to purchase an accompanying workbook (approximately\$50.00) to be used throughout the completion of the program. Students are encouraged to join Health Occupations Students of America (\$20.00) to enhance their leadership skills while gaining the basic technical knowledge and skills needed for entry level positions into the health care field. Eligible students may be nominated by their teacher to join the National Technical Honor Society (\$35.00). All students must provide verification of medical insurance coverage or purchase schools accident insurance. All students will need at least 1 uniform with designated program shoes and a watch with a second hand. All students must be up-to-date including mumps, measles, and rubella9MMR). Other vaccinations such as diphtheria and tetanus may also be required. Prior to shadowing experiences, students must have a TB skin test and Hepatitis B injection. Students will adhere to program requirements for training site agreements.

Sports Medicine 1 **555501CD**
Grade: 11 **2 units**
Prerequisite: This course is recommended for students in grades 10-11. Students are encouraged to have previous course work in the biological sciences and/or health science.

Sports Medicine 1 emphasizes sports medicine career exploration and the prevention of athletic injuries, including the components of exercise science, kinesiology, anatomy, principles of safety, first aid, cardiopulmonary resuscitation (CPR), and vital signs. Subject matter also includes legal issues, members of the sports medicine team, nutrition, protective sports equipment, environmental safety issues, taping and wrapping, mechanisms of injury, and application of other sports medicine concept. Students interested in healthcare careers in athletic training,

physical therapy, medicine, exercise physiology, nursing, biomechanics, nutrition, psychology, and radiology will benefit from this course. To advance to Sports Medicine II, it is recommended that students have an 80% score or higher in Sports Medicine I, or teacher recommendation. All students are encouraged to join Health Occupations Students of America (HOSA) to enhance their leadership skills while gaining the basic technical knowledge and skills needed for entry level positions into the health care field. Eligible students may be nominated by their teacher to join the National Technical Honor Society. Special Requirement: All students enrolled in this course must provide the instructor verification of medical insurance coverage.

Sports Medicine 2 **555600CD**
Grade: 12 **2 units**
Prerequisite: This course is recommended for students in grades 11-12. Students must have successfully completed Sports Medicine 1. Strongly recommend successful completion of Medical Terminology, Health Science III, or Anatomy and Physiology.

Sports Medicine 2 emphasizes the assessment and rehabilitation of athletic injuries. Subject matter will include discussion of specific conditions and injuries that may be experienced by individuals participating in athletic activities. In addition, the use of appropriate therapeutic modalities and exercise in the care and rehabilitation of injuries will be examine. A review of the body systems will be included in this course. Other career roles in Sports Medicine will be discussed as the athletic trainer takes the injured athlete through the pathway of recovery. All students are encouraged to join Health Occupations Students of America (HOSA) to enhance their leadership skills while gaining the basic technical knowledge and skills needed for entry level positions into the health care field. Eligible students may be nominated by their teacher to join the National Technical Honor Society. . Special Requirement: All students enrolled in this course must provide the instructor verification of medical insurance coverage.

Sports Medicine 3 **555700CD**
Grade: 12 **2 Units**
Prerequisite: Students must have successfully completed Sports Medicine 1 & 2 with a grade of 75 or higher. It is strongly recommended that students successfully complete Medical Terminology, Health Science 3, or Anatomy and Physiology prior to this course.

Sports Medicine 3 emphasizes the student's ability to apply concepts from previous Sports Medicine course work to real-world situations and scenarios. A priority will be placed on understanding the current research and evidence based practices offering the practice of Sports Medicine professionals. Students will develop policies, procedures, and guidelines based on these aspects, as well as explore detailed treatment and rehabilitation procedures for common athletic injuries. Students are expected to participate in clinical situations either at the school with their athletic department or in an outside clinical setting for real world experience.

HOSPITALITY AND TOURISM

Hospitality and Tourism is designed to prepare students for entry-level employment in the travel and tourism industry.

Culinary Arts 1 (ProStart) **572000CD**
Grades: 10-11 **2 units**

Prerequisite: GPA of 2.0 or better Interviewed by the Instructor
This course prepares students for gainful employment and/or entry into post-secondary education in the food production and service industry. Content provides students the opportunity to acquire marketable skills by examining both the industry and its career opportunities. Laboratory experiences simulate commercial food production and service operations. Students will begin a two- year program called ProStart sponsored by the National Restaurant Association. This program includes the industry-driven curriculum designed by The Educational Foundation of the National Restaurant Association to teach, test and award industry recognized certificates to students meeting high standards in hospitality education and articulation with various culinary institutes. Students who complete the requirements of the two year ProStart program are

awarded an industry- recognized certificate. This is the ProStart National Certificate of Achievement. To earn the certificate, students must pass two national exams, demonstrate a mastery of foundational skills and work 400 mentored hours. Students volunteer for 200 hours and acquire 200 hours of paid employment. Students may begin earning these hours upon enrolling in this class. Students will be encouraged to join the student organization Family, Career, and Community Leaders of America (FCCLA). The cost for membership is \$17.00. Eligible students may be nominated by their Instructor to join the National Technical Honor Society. All students must provide the Instructor with proof of medical coverage. Students are required to be in full uniform (chef coat, pants, apron and hat) at all times during labs. The cost of the chef coat and hat is \$25.00.

Culinary Arts 2 (ProStart) **572100CD**
Grades: 11-12 **2 units**
Prerequisite: Successfully completed Culinary Arts 1 with a "C+" average or better

This course is a continuation of Culinary Arts Students will complete the two-year ProStart program. This program includes the industry- driven curriculum designed by The Educational Foundation of the National Restaurant Association to teach, test and award industry recognized certificates to students meeting high standards in hospitality education and articulation with various culinary institutes. Students who complete the requirements of the two year ProStart program are awarded an industry-recognized certificate. This is the ProStart National Certificate of Achievement. To earn the certificate, students must pass two national exams, demonstrate a mastery of foundational skills and work 400 mentored hours. Students volunteer for 200 hours and acquire 200 hours of paid employment. Students will be encouraged to join the student organization Family, Career, and Community Leaders of America (FCCLA). The cost of membership is \$17.00. Eligible students may be nominated by their Instructor to join the National Technical Honor Society. All students must provide the Instructor with proof of medical coverage. Students are required to be in full uniform at all times during labs.

Work Based Learning Internship Courses

519000CH	Hospitality and Tourism Work Based Learning Internship 90 hours 1/2 unit
519001CH	Hospitality and Tourism Work Based Learning Internship 90 hours 1/2 unit
519000CW	Hospitality and Tourism Work Based Learning Internship 180 hours 1 unit
519001CW	Hospitality and Tourism Work Based Learning Internship 180 hours 1 unit
519000CD	Hospitality and Tourism Work Based Learning Internship 360 hours 2 units

This is a program which coordinates high school studies with a job in a field related to academic or technical education standards that provides "hands on learning" in the area of student interest with a participating business.. A learning contract outlines the expectations of and responsibilities of both parties. The student works regularly during or after school in exchange for the mentor's time in teaching and demonstrating. The work-based experience may be paid or unpaid.

HUMAN SERVICES

Majors within the Human Services cluster are designed to prepare students for entry-level employment in areas related to planning, managing, providing, and supporting human services such as child care services and food science technology and nutrition.

Barber/Master Hair Care 1 **615800CD**
Grade: 11 **(Fall) 2 units**
Prerequisite: GPA of 2.5 or better, Good Attendance and Behavior and Interviewed by the Instructor

Special Requirement: Students must receive a tuberculin skin test or chest x-ray documented with negative results and must complete an application for a student permit including a \$35.00 application fee prior to enrolling in the program. The Master Hair Care Specialist Program is designed to prepare students to become Registered Barbers or Master Hair Care Specialists. This is a two year completion program. Students will perform techniques and arts such as hair cutting and styling, facial treatments, trimming and shaving of facial hair, chemical hair relaxing, tinting, coloring, shampooing, and rinsing. Students will be encouraged to join the student organization Skills USA. Eligible students may be nominated by their Instructor to join the National Technical Honor Society. All students must provide the Instructor with proof of medical coverage. Students are required to pay a one-time fee of \$150.00 to cover the cost of workbooks, exam reviews, uniforms, consumable items and the use of a district-owned kit. Students have the option to purchase their own personal kit for an additional cost if desired. Please consult with your instructor for payment details if you wish to purchase a kit. Fees are non-refundable.

Barber/Master Hair Care 2 **615900CD**
Grade: 11 **(Spring) 2 units**
Prerequisite: Successfully completed Barber/ Master Hair Care 1 with a "C+" average or better, Good Attendance and Good Behavior and Instructor recommendation

This course is a continuation of Barber/Master Hair Care 1. Upon the successful completion of all four levels, students who have earned 1500 contact hours of instruction in theory and practical skills may sit for the South Carolina Board of Barber Examiners Licensure Examination. Students will be encouraged to join the student organization Skills USA. Eligible students may be nominated by their Instructor to join the National Technical Honor Society. All students must provide the Instructor with proof of medical coverage.

Barber/Master Hair Care 3 **616000CD**
Grade: 12 **(Fall) 2 units**
Prerequisite: Successfully completed Barber/Master Hair Care 2 with a "C+" average or better, Good Attendance and Good Behavior and Instructor recommendation

This course is a continuation of Barber/Master Hair Care 2. Upon the successful completion of all four levels, students who have earned 1500 contact hours of instruction in theory and practical skills may sit for the South Carolina Board of Barber Examiners Licensure Examination. Students will be encouraged to join the student organization Skills USA. Eligible students may be nominated by their Instructor to join the National Technical Honor Society. All students must provide the Instructor with proof of medical coverage. Students practice and prepare for the theory and practical portions for the South Carolina Board of Barber Examiners Licensure Examination.

Barber/Master Hair Care 4 **616100CD**
Grade: 12 **(Spring) 2 units**
Prerequisite: Successfully completed Barber/ Master Hair Care 3 with a "C+" average or better, Good Attendance and Good Behavior and Instructor recommendation

This course is a continuation of Barber/Master Hair Care 3. Upon the successful completion of all four levels, students who have earned 1500 contact hours of instruction in theory and practical skills may sit for the South Carolina Board of Barber Examiners Licensure Examination. Students will be encouraged to join the student organization Skills USA. Eligible students may be nominated by their Instructor to join the National Technical Honor Society. All students must provide the Instructor with proof of medical coverage.

Cosmetology 1 **615000CD**
Grade: 11 **(Fall) 2 units**
Prerequisite: GPA of 2.0 or better, Good attendance and Good Behavior and Interviewed by the Instructor

The Cosmetology Program is designed to prepare students to qualify for the state cosmetology licensure examination. This is a two year

completion program. Students will receive training in the art and science of the care and beautification of hair, skin, and nails. The course of study includes scalp treatments, hair setting, hair styling, hair shaping, hair waving, hair relaxing, hair coloring, hair lightening, shampooing and rinses. Care of skin and nails includes manicuring, pedicuring, massage, facials, makeup application, and hair removal. Instruction in chemistry, bacteriology, anatomy and physiology of the face, head, hands, arms, and legs is incorporated by means of theory and practical application on mannequins and clients. Also included in the course of study is salon planning and management. Applicants must be at least 16 years old and have completed the 10th grade. Students will be encouraged to participate in the student organization Skills USA. Eligible students may be nominated by their Instructor to join the National Technical Honor Society. All students must provide the Instructor with proof of medical coverage. Students are required to pay a one-time fee of \$150.00 to cover the cost of workbooks, exam reviews, uniforms, consumable items and the use of a district-owned kit. Students have the option to purchase their own personal kit for an additional cost if desired. Please consult with your instructor for payment details if you wish to purchase a kit. Fees are non-refundable.

Cosmetology 2 **615100CD**
Grade: 11 **(Spring) 2 units**
Prerequisite: Successfully completed Cosmetology 1 with a "C+" average or better, Good attendance and Good Behavior and Instructor recommendation

This course is a continuation of Cosmetology 1. Students will be encouraged to participate in the student organization Skills USA. Eligible students may be nominated by their Instructor to join the National Technical Honor Society. All students must provide the Instructor with proof of medical coverage.

Cosmetology 3 **615200CD**
Grade: 12 **(Fall) 2 units**
Prerequisite: Successfully completed Cosmetology 2 with a "C+" average or better, Good attendance and Good Behavior and Instructor recommendation

This course is a continuation of Cosmetology 2. Upon the successful completion of this program, students who have earned 1500 hours of instruction in theory and practical skills may sit for the South Carolina Board of Cosmetology Licensure Examination. Students will be encouraged to participate in the student organization Skills USA. Eligible students may be nominated by their Instructor to join the National Technical Honor Society. All students must provide the Instructor with proof of medical coverage. Students practice and prepare for the theory and practical portions for the South Carolina Board of Cosmetology Licensure Examination.

Cosmetology 4 **615300CD**
Grade: 12 **(Spring) 2 units**
Prerequisite: Successfully completed Cosmetology 3 with a "C+" average or better, Good attendance and Good Behavior and Instructor recommendation

This course is a continuation of Cosmetology 3. Upon the successful completion of this program, students who have earned 1500 hours of instruction in theory and practical skills may sit for the South Carolina Board of Cosmetology Licensure Examination. Students will be encouraged to participate in the student organization Skills USA. Eligible students may be nominated by their Instructor to join the National Technical Honor Society. All students must provide the Instructor with proof of medical coverage.

Work Based Learning Internship Courses

579000CH	Human Services Work Based Learning Internship 90 hours 1/2 unit
579001CH	Human Services Work Based Learning Internship 90 hours 1/2 unit
579000CW	Human Services Work Based Learning Internship 180 hours 1 unit
579001CW	Human Services Work Based Learning Internship

180 hours 1 unit

579000CD **Human Services Work Based Learning Internship**
360 hours 2 units

This is a program which coordinates high school students with a job in a field related to academic or technical education standards that provides "hands on learning" in the area of student interest with a participating business. A learning contract outlines the expectations of and responsibilities of both parties. The student works regularly during or after school in exchange for the mentor's time in teaching and demonstrating. The work-based experience may be paid or unpaid.

INFORMATION TECHNOLOGY

Information Technology careers involves the design, development, support, and management of hardware, software, multimedia and systems integration services.

Networking Fundamentals **531000CD**
Grades: 10 – 12 **2 units**
Prerequisite: Completion of the Electronic Fundamentals course, Algebra 1 or equivalent, overall GPA of 2.0 or higher.

Networking is designed to provide students with classroom and laboratory experience in current and emerging networking technologies. Upon successful completion of these courses, students will be able to seek employment or further their education and training in the information technology field. The networking student will benefit most from the curriculum if he or she possesses a strong background in reading, math, and problem solving skills. Instruction includes networking media topologies, network operating systems, models and protocols, codes and standards, addressing, diagnostics, routing, WAN services, network security, and leadership skills. In addition, instruction and training are provided in proper care, maintenance, and use of networking software, tools, and equipment. Particular emphasis is given to the use of critical thinking skills and problem solving techniques found in math and communication programs. All students are encouraged to join Skills USA.

Advanced Networking **531100HD**
Grades: 11– 12 **2 units**
Prerequisite: Networking Fundamentals

Networking is designed to provide students with classroom and laboratory experience in current and emerging networking technologies. Upon successful completion of these courses, students will be able to seek employment or further their education and training in the information technology field. The networking student will benefit most from the curriculum if he or she possesses a strong background in reading, math, and problem solving skills. Instruction includes networking media topologies, network operating systems, models and protocols, codes and standards, addressing, diagnostics, routing, WAN services, network security, and leadership skills. In addition, instruction and training are provided in proper care, maintenance, and use of networking software, tools, and equipment. Particular emphasis is given to the use of critical thinking skills and problem solving techniques found in math and communication programs. All students are encouraged to join Skills USA.

Work Based Learning Internship Courses

539000CH	Information Technology Work Based Learning Internship 90 hours 1/2 unit
539001CH	Information Technology Work Based Learning Internship 90 hours 1/2 unit
539000CW	Information Technology Work Based Learning Internship 180 hours 1 unit
539001CW	Information Technology Work Based Learning Internship 180 hours 1 unit

539000CD Information Technology Work Based Learning Internship
360 hours 2 units

This is a program which coordinates high school studies with a job in a field related to academic or technical education standards that provides "hands on learning" in the area of student interest with a participating business.. A learning contract outlines the expectations of and responsibilities of both parties. The student works regularly during or after school in exchange for the mentor's time in teaching and demonstrating. The work-based experience may be paid or unpaid.

MANUFACTURING

Many Manufacturing jobs are so specialized, they require high levels of skills and training. Manufacturing is a highly competitive industry that continues to grow in South Carolina.

Robotics and Mechatronics Integrated Technologies 1 621000CD
Grades: 10- 11 2 units
Prerequisite: Algebra 1, Application Process, and Overall GPA of "C" or better

Mechatronics is an interdisciplinary field involving mechanical, instrumentation, electronics, robotics/automation, computer components, and control systems. This program prepares students who like to work with their hands as well as their minds. Mechatronics is a dynamic field that changes daily with the rapid improvements in technology and computer systems. Systems are networked to meet the demands of automated manufacturing processes, and technicians are trained to meet necessary entry-level industrial skills and entry into a post-secondary program at a technical college. Level I provides skill training in the areas of industrial safety, hand and power tools, basic hydraulic and pneumatic operations, and manufacturing processes and production. Shop safety is emphasized and enforced. This course is not a hobby or career search course; this course is designed for students who want to pursue a career in the industrial maintenance field. All students that successfully complete this course with a "C+" or better are eligible to proceed to the next course in the three course sequence. Special requirements: All students enrolled in this course must provide the instructor with verification of medical insurance coverage. All students are asked to join Skills USA costing approximately \$17.00. Students must purchase a set of work clothes costing approximately \$25.00. All students must purchase a pair of steel toe shoes or boots costing approximately \$30.00.

Robotics and Mechatronics Integrated Technologies 2 621100CD
Grades: 11 - 12 2 units
Prerequisite: Successful completion of Level 1 with a "C+" or better; instructor recommendation

Mechatronics is an interdisciplinary field involving mechanical, instrumentation, electronics, robotics/automation, computer components, and control systems. This program prepares students who like to work with their hands as well as their minds. Mechatronics is a dynamic field that changes daily with the rapid improvements in technology and computer systems. Systems are networked to meet the demands of automated manufacturing processes, and technicians are trained to meet necessary entry-level industrial skills and entry into a post-secondary program at a technical college. Level II provides skill training in the areas of industrial safety, electrical test equipment, AC-DC circuits, programmable logic controllers, and quality practices and measurement. Shop safety is emphasized and enforced. This course is not a hobby or career search course; this course is designed for students who want to pursue a career in the industrial maintenance field. All students that successfully complete this course with a "B" or better are eligible to proceed to the next course in the three course sequence. Special requirements: All students enrolled in this course must provide the instructor with verification of medical insurance coverage.

Robotics and Mechatronics Integrated Technologies 3 621200CD
Grades: 11- 12 2 units
Prerequisite: Successful completion of Level 2 with a "B" or better; instructor recommendation

Mechatronics is an interdisciplinary field involving mechanical, instrumentation, electronics, robotics/automation, computer components,

and control systems. This program prepares students who like to work with their hands as well as their minds. Mechatronics is a dynamic field that changes daily with the rapid improvements in technology and computer systems. Systems are networked to meet the demands of automated manufacturing processes, and technicians are trained to meet necessary entry-level industrial skills and entry into a post-secondary program at a technical college. Level III provides skill training in the areas of industrial safety, electrical motors theory and application, basic machining, introduction to robotic systems, and maintenance awareness. Shop safety is emphasized and enforced. This course is not a hobby or career search course; this course is designed for students who want to pursue a career in the industrial maintenance field. All students that successfully complete this course with a "C" or better will become a Heyward Career and Technology Center completer. Special requirements: All students enrolled in this course must provide the instructor with verification of medical insurance coverage.

Welding Technology 1 634000CD
Grades: 10 – 11 2 units
Prerequisite: Algebra 1 or equivalent, overall GPA of 2.0 or higher.

Welding Technology 1 provides opportunities for students to develop advanced welding skills, to perfect multi-position techniques, and to transform blueprints into realities. They learn to plan, layout, cut and then assemble the final product. Safety is emphasized and students are required to assist in maintaining and accounting for tools and equipment. To become a certified welder, students must successfully complete Levels 1 & 2 Special Requirements: All students enrolled in this course must provide the instructor with verification of medical insurance coverage. All students are asked to join Skills USA costing approximately \$17.00. Students must purchase a pair of welding gloves, safety glasses, and steel toed safety shoes.

Welding Technology 2 634100CD
Grades: 11 - 12 2 units
Prerequisite: Completion of Welding 1 with a "C" or better and instructor recommendation.

Students will learn safety and advanced welding skills In the following processes: Shielded Metal Arc Welding; Gas Tungsten Arc Welding; and Gas Metal Arc Welding, in all positions. This course covers advanced elements of today's major welding and cutting processes, and provides continued safety, occupational orientation, and fabrication. Students will have the opportunity to take the American Welding Society Entry Level Welder certification examination. Special Requirements: All students enrolled in this course must provide the instructor with verification of medical insurance coverage. All students are asked to join Skills USA costing approximately \$17.00. Students must purchase a pair of welding gloves, safety glasses, and steel-toed boots.

Welding Technology 3 (Fabrication) 634201CD
Grade: 12 2 units
Prerequisite: Completion of Level 2 with a "C" or better, instructor recommendation, successfully completed the 11th grade and an overall GPA of 2.5 or better.

This course covers advanced pipe welding procedures and qualifications, welding safety measurements, use of hand and power tools, sketching and reading engineering drawings, weld symbol interpretations, plus welding theory for steel, stainless steel, aluminum, and weld quality assurance. Students who complete Aluminum/Fabrication Technology qualifications will be competent welds to national and international industry standards and codes, and be able to exercise a full range of practical welding techniques with steel, aluminum, stainless steel, and pipe welding. Special Requirements: All students enrolled in this course must provide the instructor with verification of medical insurance coverage. All students are asked to join Skills USA costing approximately \$17.00. Students must purchase a pair of welding gloves, safety glasses, and steel-toed boots.

Work Based Learning Internship Courses

649000CH Manufacturing Work Based Learning Internship
90 hours, 1/2 unit

649001CH Manufacturing Work Based Learning Internship
90 hours, 1/2 unit

649000CW Manufacturing Work Based Learning Internship
180 hours, 1 unit

649001CW Manufacturing Work Based Learning Internship
180 hours, 1 unit

649000CD Manufacturing Work Based Learning Internship
360 hours, 2 units

This is a program which coordinates high school studies with a job in a field related to academic or technical education standards that provides "hands on learning" in the area of student interest with a participating business. A learning contract outlines the expectations of and responsibilities of both parties. The student works regularly during or after school in exchange for the mentor's time in teaching and demonstrating. The work-based experience may be paid or unpaid.

TRANSPORTATION, DISTRIBUTION & LOGISTICS

The Transportation, Distribution, and Logistics Cluster incorporate career opportunities in all aspects of Automotive Collision, Automotive Technology, Diesel Technology, Small Engine Technology, Warehousing, Material Handling, and Distribution and Logistics.

Automotive & Motorsports Technology 1 **603010CD**
Grades: 10 – 11 **2 units**
Prerequisite: Application Process, Algebra 1 or equivalent, overall GPA of 2.0 or higher

This course is designed to introduce the student to automotive shop safety and operation, specialty tools and measuring instruments, electrical and electronic systems, brakes, steering and suspension, engine performance, heating and air conditioning, automatic and manual drive trains. Shop safety is emphasized and stressed. This course is not a hobby or career search course; this course is designed for students who want to pursue a career in the automotive technology industry. All students that successfully complete this course with a "C" or better are eligible to become entry level apprentice technicians. Special requirements: All students enrolled in this course must provide the instructor with verification of medical insurance coverage. All students are asked to join Skills USA costing approximately \$17.00. Students must purchase a pair of coveralls costing approximately \$25.00. Requirements for AYES internship: Student must successfully complete all three courses.

Automotive & Motorsports Technology 2 **603110CD**
Grades: 11 – 12 **2 units**
Prerequisite: Automotive and Motorsports Technology 1 with a "C" or better and teacher recommendation

Automotive and Motorsports Technology 2 is a specific course designed to teach the principals of electricity and electronics as they apply to the automotive systems. This course builds on the essential concepts of measurement of electrical parameters such as voltage, current, resistance, power, magnetism, electromagnetism, and magnetic induction. Students will learn the concept of OHM's law in both application and mathematical theory. Detailed topics include the use of a digital multimeter for the analysis of series, parallel, and series parallel circuits. Course content also includes communication, design/problem solving, customer relations, technical writing, computer science, blueprints and diagrams, and teamwork. Lab projects are focused on the systems of engineering, science and technology, and on computer applications that apply to automotive diagnosis and service. Actual repair work is incorporated into each student's learning experience under the close supervision of an ASE certified instructor. Shop safety is emphasized and stressed. This course is not a hobby or career search course; this course is designed for students who want to pursue a career in the automotive technology industry. All competencies and components of this course comply with the National Automotive Technician Education Foundation (NATEF), Automotive Service Excellence (ASE), Automotive Youth Educational Systems (AYES), and the standards set forth by the State Department of Education. All students enrolled in this program must provide the instructor with verification of medical insurance coverage. It is recommended that all students join the student organization, Skills- USA. Requirements for AYES internship: Student must successfully complete all three courses.

Automotive & Motorsports Technology 3 **603210CD**
Grade: 12 **2 units**

Prerequisite: Automotive and Motorsports Technology 2 with a "C" or better and teacher recommendation

Automotive and Motorsports Technology 3 consist of the NATEF/ASE Brakes course and the NATEF/ASE Suspension and Steering course. Course content also includes communication, design/problem solving, customer relations, technical writing, computer science, blueprints and diagrams, and teamwork. Lab projects are focused on the systems of engineering, science and technology, and on computer applications that apply to automotive diagnosis and services. Actual repair work is incorporated into each student's learning experience under the close supervision of an ASE certified instructor. Shop safety is emphasized and stressed. This course is not a hobby or career search course; this course is designed for students who want to pursue a career in the automotive technology industry. All competencies and components of this course comply with the National Automotive Technician Education Foundation (NATEF), Automotive Service Excellence (ASE), Automotive Youth Educational Systems (AYES), and the standards set forth by the State Department of Education. All students enrolled in this program must provide the instructor with verification of medical insurance coverage. It is recommended that all students join the student organization, Skills-USA. Requirements for AYES internship: Student must successfully complete all three courses.

Diesel Technology 1 **631000CD**
Grades: 10 **2 units**
Prerequisite: Application process, Algebra 1 or equivalent, overall GPA of 2.0 or higher

Diesel Technology 1 is the first course of three. In this course students learn nomenclature and use of typical technician hand tools and gauges. They learn how to accurately measure critical engine parts. They learn the function of engine components and principles of operation of a medium duty inline six cylinder engine. They learn how to safely disassemble measure and inspect critical engine wear parts, reassemble, start, and monitor running engine performance parameters. Students will learn truck preventative maintenance tasks as well as exposure to all other technical areas of the vehicle. Students will learn basic principles of Electricity/Electronic Systems. Shop safety is emphasized and stressed. This course is NOT a hobby or career search course; this course is designed for students who want to pursue a career in the diesel technology industries. All competencies and components of this course comply with the National Automotive Technician Foundation (NATEF), Automotive Service Excellence (ASE), Automotive Youth Education System (AYES), and the standards set forth by the State Department of Education. Special Requirements: All students enrolled in this course must provide the instructor with verification of medical insurance coverage. All students are asked to join Skills USA costing approximately \$17.00. Each student is responsible for the purchase and maintenance of their safety shoes and coveralls.

Diesel Technology 2 **631100CD**
Grades: 11 **2 units**
Prerequisite: Diesel Technology 1 with a "C" or better and instructor recommendation.

Diesel Technology 2 is the second course of three. In this course students learn the function of engine components and principles of operation of a medium duty V8 diesel engine. They completely disassemble measure and inspect critical engine wear parts, reassemble, start, and monitor running engine performance parameters. Students will learn how to perform engine diagnostics. Students are challenged with more individual lab activities regarding vehicle preventative maintenance, transmission, steering, suspension, and brake systems. Shop safety is emphasized and stressed. This course is NOT a hobby or career search course; this course is designed for students who want to pursue a career in the diesel technology industries. All competencies and components of this course comply with the National Automotive Technician Foundation (NATEF), Automotive Service Excellence (ASE), Automotive Youth Education System (AYES), and the standards set forth by the State Department of Education. Special Requirements: All students enrolled in this course must provide the instructor with verification of medical insurance coverage. All students are asked to join Skills USA costing approximately \$17.00. Each student is responsible for the purchase and maintenance of their safety shoes and coveralls.

Diesel Technology 3 **631200CD**
Grades: 12 **2 units**
Prerequisite: Completion of Level 2 with a "C" or better, instructor recommendation, successfully completed the 11th grade and an overall GPA of 2.5 or better.

Diesel Technology 3 is the second course of three. In this course students complete more challenging tasks in areas of transmission and differential overhaul, drive shaft and clutch replacement, component based engine performance and vehicle diagnostics, HVAC maintenance, electrical system, and starting system. During the second semester qualified students supplement academic and technical education with an industry "world of work" experience working as a co-op at a participating company which could lead to opportunities for permanent employment. The remaining students who are not placed in a co-op will focus on power generation and general diesel manufacturing. Content will assist students in their transition into an entry level technical job after graduation. This course is NOT a hobby or career search course; this course is designed for students who want to pursue a career in the diesel technology industries. All competencies and components of this course comply with the National Automotive Technician Foundation (NATEF), Automotive Service Excellence (ASE), Automotive Youth Education System (AYES), and the standards set forth by the State Department of Education. Special Requirements: All students enrolled in this course must provide the instructor with verification of medical insurance coverage. All students are asked to join Skills USA costing approximately \$17.00. Each student is responsible for the purchase and maintenance of their safety shoes and coveralls.

Work Based Learning Internship Courses

679000CH **Transportation, Distribution, and Logistics Work Based Learning Internship**
90 hours 1/2 unit

679001CH **Transportation, Distribution, and Logistics Work Based Learning Internship**
90 hours 1/2 unit

679000CW **Transportation, Distribution, and Logistics Work Based Learning Internship**
180 hours 1 unit

679001CW **Transportation, Distribution, and Logistics Work Based Learning Internship**
180 hours 1 unit

679000CD **Transportation, Distribution, and Logistics Work Based Learning Internship**
360 hours 2 units

This is a program which coordinates high school studies with a job in a field related to academic or technical education standards that provides "hands on learning" in the area of student interest with a participating business.. A learning contract outlines the expectations of and responsibilities of both parties. The student works regularly during or after school in exchange for the mentor's time in teaching and demonstrating. The work-based experience may be paid or unpaid.

Green Beret Leadership Program **679000CH**
Grade: 10 – 11 **½ Unit**

Prerequisite: None
The Green Beret Leadership Program is taught in three increments imbedded in Career and Technology Education Industrial Technology Programs. This program guides students through leadership, teambuilding, and employability skills covered over a three year period. Students will complete the SkillsUSA Professional Development Program. This program is a vital component of the Industrial Technology Programs at Heyward Career and Technology Center. Upon completion of the program students will receive certificates from SkillsUSA, Special Forces Association, and one half high school elective credit.

RICHLAND ONE WORKS (ROW)

Automotive and Welding Enterprise

2 units

Grades: 10-12

Course Number:

59010109	59060109
59020109	59070109
59030109	59120109
59040109	59130109
59050109	59140109

This course offers basic skills instruction in the areas of Small Engines, Automotive Service, and Welding. Students will receive instruction on small engine repair, automotive body repair, preventative automotive maintenance, and fundamental welding techniques. This course is project driven and utilizes a school-based enterprise approach. Safety will be stressed in all areas of the course.

Construction Enterprise

2 units

Grades: 10-12

Course Number:

59010209	59060209
59020209	59070209
59030209	59120209
59040209	59130209
59050209	59140209

This course is designed to prepare students for entry-level jobs in the construction industry. It will provide students real-life experiences in carpentry and masonry. This course is project driven and utilizes a school-based enterprise approach. Safety will be stressed in all areas of the course.

Creative Enterprises

2 units

Grades: 10-12

Course Number:

59010309	59060309
59020309	59070309
59030309	59120309
59040309	59130309
59050309	59140309

This course is designed to provide instruction to students in the areas of child development, needlework, embroidery, gifts and jewelry creation. This course is project driven and utilizes a school-based enterprise approach. Safety will be stressed in all areas of the course.

Hospitality and Tourism Enterprise

2 units

Grades: 10-12

Course Number:

59010809	59060809
59020809	59070809
59030809	59120809
59040809	59130809
59050809	59140809

This course prepares students for entry-level jobs in the hospitality and tourism industry. The Skills, Tasks, And Results Training (START) Program curriculum will be utilized. START provides training for hospitality positions in the lodging division and the food and beverage division. This program promotes confidence and positive work ethics and also provides a smooth transition to higher-level hospitality coursework. This course is project driven and utilizes a school-based enterprise approach. Safety will be stressed in all areas of the course.

Lawn, Garden and Gifts Enterprise

2 units

Grades: 10-12

Course Number:

59010409	59060409
59020409	59070409
59030409	59120409
59040409	59130409
59050409	59140409

This course is designed to provide students an opportunity to acquire basic skills in the areas of small engine maintenance, horticulture, engraving, molding ceramic products, and making specialty gifts items. This course is project driven and utilizes a school-based enterprise approach. Safety will be stressed in all areas of the course.

Media Enterprise

2 units

Grades: 10-12

Course Number:

59010509	59060509
59020509	59070509
59030509	59120509
59040509	59130509
59050509	59140509

This course is designed to provide students an opportunity to acquire basic skills in the areas of keyboarding, screen printing, making copies, preparing mailers, and transferring media to crystal. This course is project driven and utilizes a school-based enterprise approach. Safety will be stressed in all areas of the course.

Practical Assessment Exploration System (PAES)

2 units

Grades: 10-12

Course Number:

59010609	59060609
59020609	59070609
59030609	59120609
59040609	59130609
59050609	59140609

The Practical Assessment Exploration System (PAES) provides transition planning and offers students opportunities to explore a wide range of skill development activities. Students will explore the areas of Business/Marketing, Family Consumer Science and Industrial Technology Education. PAES is a comprehensive curriculum that provides students with knowledge relevant to their lives through career exploration training and work behavior development. Safety will be stressed in all areas of the course.

VICTORY Works

4 units

Grades: 12th Plus

Course Number:

59010709	59060709
59020709	59070709
59030709	59120709
59040709	59130709
59050709	59140709

VICTORY Works serves students between the ages of 18 and 21 and prepares them for successful transition from school to post-school activities. The program goals include: development of independent living skills; educational opportunities in the school and community; job-training activities in the school and community; and individual work experiences as appropriate. Safety will be stressed in all activities of the program.

APPENDIX A

South Carolina Scholarship and Grant Programs

This is a brief overview of the State Scholarships and Grants program. The information provided is from the South Carolina Commission on Higher Education and is based on the Commission's interpretation of the South Carolina Education Lottery Act. SCCHE information may be changed or updated without notice. Changes may also occur anytime during the legislative process. Although SCCHE attempts to provide up-to-date information on their website (www.che.sc.gov), please seek confirmation of information from the appropriate SCCHE office prior to any action taken.

	Palmetto Fellows Scholarship	LIFE Scholarship	S. C. HOPE Scholarship	S. C. Needs-Based Grant	Lottery Tuition Assistance
Initial Eligibility	<p>Minimum 3.5 cumulative GPA based on S. C. Uniform Grading Scale</p> <p>Rank in top 6% of class at end of Sophomore year</p> <p>Minimum score of 1200 SAT/27 ACT</p> <p>or</p> <p>Minimum 4.0 cumulative GPA based on S. C. Uniform Grading Scale</p> <p>Minimum score of 1400 SAT/32 ACT</p> <p>Rank requirement waived</p>	<p>Four Year Institution</p> <p>Must have 2 of 3:</p> <p>Minimum of 3.0 on S. C. Uniform Grading Scale</p> <p>Rank in top 30% of high school graduation class</p> <p>Minimum score of 1100 SAT/24 ACT</p> <p>or</p> <p>Minimum 3.0 cumulative GPA based on S. C. Uniform Grading Scale at two - year institution</p> <p>Test score and rank are waived</p>	<p>Minimum 3.0 cumulative GPA based on S. C. Uniform Grading Scale</p> <p>No minimum test score and rank required</p> <p>For students who do not qualify for the LIFE or Palmetto Fellows Program but graduate from high school with at least a B average</p>	<p>No minimum GPA</p> <p>Students must complete Free Application for Federal Student Aid (FAFSA)</p>	<p>No minimum GPA</p> <p>Students must complete Free Application for Federal Student Aid (FAFSA)</p>
Award Amount	<p>Up to \$6,700 towards the cost of attendance at eligible four-year Institutions freshman year</p> <p>Up to \$7,500 for sophomore, junior, and senior years</p>	<p>Up to \$5,000 (includes \$300 book stipend) towards the cost of attendance at eligible four-year Institutions</p> <p>or</p> <p>Up to cost of attendance at eligible two-year institutions plus \$300 book stipend</p>	<p>\$2,800 (includes \$300 book stipend) towards the cost of attendance at eligible four-year Institutions</p>	<p>Up to \$2,500 full time students and \$1,250 for part-time students towards the cost of attendance at eligible four-year Institutions</p>	<p>Up to cost of tuition</p>
Renewal Criteria	<p>Minimum 3.0 cumulative GPA and 30 credit hours for graduation purposes each academic year</p>	<p>Minimum 3.0 LIFE GPA and an average 30 credit hours each academic year based on initial college enrollment</p>	<p>This scholarship is for the first year of attendance at a four-year institution only</p>	<p>Fill out FAFSA and minimum 2.0 cumulative GPA and 24 credit hours each academic year if full time and 12 hours part-time</p>	<p>Fill out FAFSA and satisfactory academic progress</p>
Term Limit	<p>Eight consecutive terms toward first bachelor's degree</p>	<p>Two consecutive terms for a certificate or diploma, Four consecutive terms for an associate's degree, and Eight consecutive terms for first bachelor's degree</p>	<p>Up to two consecutive terms of funding</p>	<p>Eight consecutive terms toward bachelor's degree</p>	

APPENDIX B

INDIVIDUAL GRADUATION PLAN (IGP) WORKSHEET

Name: _____

Current Grade: _____

Clusters: _____

Student Choice

Indicated By Assessment

Majors: _____

Declare Only ☐ Intend to Complete ☐

Declare Only ☐ Intend to Complete ☐

SCHOOLS OF STUDY:

_____ Arts and Humanities

_____ Business and Information Systems

_____ Math, Science and Engineering

_____ Health, Human and Public Services

Postsecondary Plans: ☐ Workforce/Apprenticeship ☐ Two-Year College/Technical Training ☐ Four-Year College ☐ Military

Course	Ninth Grade	Tenth Grade	Eleventh Grade	Twelfth Grade
English: 4 units required	English 1	English 2	English 3	English 4
Math: 4 units required				
Science: 3 units required (3 lab science units required for 4 year college)	Biology 1			
Social Studies: 3 units required (1 social studies elective; US History; Government/Economics)			U. S. History	Government/ Economics
Physical Education or JROTC: 1 unit required				
Health: .5 unit required				
Computer Science: 1 unit required (Including Keyboarding)				
Foreign Language or Career Technology: 1 unit required				
Electives (Language Arts, mathematics, science, social studies, visual and performing arts, foreign language, career and technology, physical education, etc.)				

Required Courses for Major (Four Credits Required)	COMPLEMENTARY COURSEWORK
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>

Student Signature

Date

Parent Signature

Date

Counselor Signature

Date

Richland County School District One

2016-2017

Curriculum Framework: Grades 10-12

School of Arts and Humanities

Arts & Communications Cluster

Advanced Placement
International Baccalaureate
English
History
Journalism/Broadcasting
Performing Arts
Visual Arts
World Languages

Education & Training Cluster

Teaching and Training

School of Business and Information Systems

Business Management & Administration Cluster

Administrative Services
Business Information Management
General Management

Finance Cluster

Accounting
Banking Services
Business Finance

Hospitality & Tourism Cluster

Restaurant and Food/Beverage Services

Information Technology Cluster

Networking Systems
Web and Digital Communications

Marketing Cluster

Marketing Communications
Marketing Management
Merchandising

School of Mathematics, Science, and Engineering

Agriculture, Food & Natural Resource Cluster

Agribusiness Systems
Horticulture

Architecture and Construction

Architecture
Construction

Arts, A/V Technology and Communications

Telecommunications

Manufacturing Cluster

Production

Science, Technology, Engineering & Mathematics Cluster

Clean Energy
Computer Science Engineering
Engineering
Mathematics
Science

Transportation, Distribution & Logistics Cluster

Automotive Technology

School of Health, Human, and Public Services

Family & Consumer Sciences Cluster

Family & Consumer Sciences/Design
Food, Nutrition and Wellness
Consumer Services

Health Science Cluster

Biomedical Sciences
Diagnostic Services
Therapeutic Services

Human Services Cluster

Personal Care Services

Law, Public Safety, Corrections & Security Cluster

Law and Legal Services

Government & Public Administrative Cluster

National Security

APPENDIX D

10 Pt UGP

Numerical Average	Letter Grade	4.0 Scale	College Prep	Honors	AP/IB/Dual Credit
100	A	4.000	5.000	5.500	6.000
99	A	4.000	4.900	5.400	5.900
98	A	4.000	4.800	5.300	5.800
97	A	4.000	4.700	5.200	5.700
96	A	4.000	4.600	5.100	5.600
95	A	4.000	4.500	5.000	5.500
94	A	4.000	4.400	4.900	5.400
93	A	4.000	4.300	4.800	5.300
92	A	4.000	4.200	4.700	5.200
91	A	4.000	4.100	4.600	5.100
90	A	4.000	4.000	4.500	5.000
89	B	3.000	3.900	4.400	4.900
88	B	3.000	3.800	4.300	4.800
87	B	3.000	3.700	4.200	4.700
86	B	3.000	3.600	4.100	4.600
85	B	3.000	3.500	4.000	4.500
84	B	3.000	3.400	3.900	4.400
83	B	3.000	3.300	3.800	4.300
82	B	3.000	3.200	3.700	4.200
81	B	3.000	3.100	3.600	4.100
80	B	3.000	3.000	3.500	4.000
79	C	2.000	2.900	3.400	3.900
78	C	2.000	2.800	3.300	3.800
77	C	2.000	2.700	3.200	3.700
76	C	2.000	2.600	3.100	3.600
75	C	2.000	2.500	3.000	3.500
74	C	2.000	2.400	2.900	3.400
73	C	2.000	2.300	2.800	3.300
72	C	2.000	2.200	2.700	3.200
71	C	2.000	2.100	2.600	3.100
70	C	2.000	2.000	2.500	3.000
69	D	1.000	1.900	2.400	2.900
68	D	1.000	1.800	2.300	2.800
67	D	1.000	1.700	2.200	2.700
66	D	1.000	1.600	2.100	2.600
65	D	1.000	1.500	2.000	2.500
64	D	1.000	1.400	1.900	2.400
63	D	1.000	1.300	1.800	2.300
62	D	1.000	1.200	1.700	2.200
61	D	1.000	1.100	1.600	2.100
60	D	1.000	1.000	1.500	2.000
59	F	0.000	0.900	1.400	1.900
58	F	0.000	0.800	1.300	1.800
57	F	0.000	0.700	1.200	1.700
56	F	0.000	0.600	1.100	1.600
55	F	0.000	0.500	1.000	1.500
54	F	0.000	0.400	0.900	1.400
53	F	0.000	0.300	0.800	1.300
52	F	0.000	0.200	0.700	1.200
51	F	0.000	0.100	0.600	1.100
0-50	F	0.000	0.000	0.000	0.000

APPENDIX E

7 Pt UGP

Numerical Average	Letter Grade	4.0 Scale	College Prep	Honors	AP/IB/Dual Credit
100	A	4.000	4.875	5.375	5.875
99	A	4.000	4.750	5.250	5.750
98	A	4.000	4.625	5.125	5.625
97	A	4.000	4.500	5.000	5.500
96	A	4.000	4.375	4.875	5.375
95	A	4.000	4.250	4.750	5.250
94	A	4.000	4.125	4.625	5.125
93	A	4.000	4.000	4.500	5.000
92	B	3.000	3.875	4.375	4.875
91	B	3.000	3.750	4.250	4.750
90	B	3.000	3.625	4.125	4.625
89	B	3.000	3.500	4.000	4.500
88	B	3.000	3.375	3.875	4.375
87	B	3.000	3.250	3.750	4.250
86	B	3.000	3.125	3.625	4.125
85	B	3.000	3.000	3.500	4.000
84	C	2.000	2.875	3.375	3.875
83	C	2.000	2.750	3.250	3.750
82	C	2.000	2.625	3.125	3.625
81	C	2.000	2.500	3.000	3.500
80	C	2.000	2.375	2.875	3.375
79	C	2.000	2.250	2.750	3.250
78	C	2.000	2.125	2.625	3.125
77	C	2.000	2.000	2.500	3.000
76	D	1.000	1.875	2.375	2.875
75	D	1.000	1.750	2.250	2.750
74	D	1.000	1.625	2.125	2.625
73	D	1.000	1.500	2.000	2.500
72	D	1.000	1.375	1.875	2.375
71	D	1.000	1.250	1.750	2.250
70	D	1.000	1.125	1.625	2.125
69	F	0.000	1.000	1.500	2.000
68	F	0.000	0.875	1.375	1.875
67	F	0.000	0.750	1.250	1.750
66	F	0.000	0.625	1.125	1.625
65	F	0.000	0.500	1.000	1.500
64	F	0.000	0.375	0.875	1.375
63	F	0.000	0.250	0.750	1.250
62	F	0.000	0.125	0.625	1.125
61	F	0.000	0.000	0.000	0.000
60	F	0.000	0.000	0.000	0.000
0-61	F	0.000	0.000	0.000	0.000
FA	FA	0.000	0.000	0.000	0.000
WF	WF	0.000	0.000	0.000	0.000
WP	WP	0.000	0.000	0.000	0.000

APPENDIX F

NCAA CORE GPA/TEST SCORE INDEX FOR 16 CORE COURSES

Core GPA	SAT	ACT (sum of scores)
3.55o and above	400	37
3.525	410	38
3.500	420	39
3.475	430	40
3.450	440	41
3.425	450	41
3.400	460	42
3.375	470	42
3.350	480	43
3.325	490	44
3.30	500	44
3.275	510	45
3.250	520	46
3.225	530	46
3.200	540	47
3.175	550	47
3.150	560	48
3.125	570	49
3.100	580	49
3.075	590	50
3.050	600	50
3.025	610	51
3.00	620	52
2.975	630	52
2.950	640	53
2.925	650	53
2.900	660	54
2.875	670	55
2.850	680	56
2.825	690	56
2.800	700	57

Core GPA	SAT	ACT (sum of scores)
2.775	710	58
2.750	720	59
2.725	730	59
2.700	740	60
2.675	740-750	61
2.650	760	62
2.625	770	63
2.600	780	64
2.575	790	65
2.550	800	66
2.525	810	67
2.500	820	68
2.475	830	69
2.450	840-850	70
2.425	860	70
2.400	860	71
2.375	870	72
2.350	880	73
2.325	890	74
2.300	900	75
2.275	910	76
2.250	920	77
2.225	930	78
2.200	940	79
2.175	950	80
2.150	960	80
2.125	960	81
2.100	970	82
2.075	980	83
2.050	990	84
2.025	1000	85
2.000	1010	86

COLLEGE PLANNING CHECKLIST

When to begin	What to do	How to do it
Eighth grade	Select a high school course of study and a career cluster to explore and become familiar with college entrance requirements. Continue career exploration activities.	Work with parents, teachers and counselors to create an Individual Graduation Plan (IGP) to satisfy your career and educational goals. Get involved at school and in your community.
Freshman year	Update your IGP and work to your academic potential. Continue career exploration activities.	Continue to work with parents, teachers, and counselors to refine your IGP. Try job shadowing. Stay involved in school and community activities.
Sophomore year	Take PLAN and PSAT tests in the fall. Review results and modify IGP. Take academically challenging courses. Investigate summer enrichment programs.	Meet with your counselor to plan for college. Consider job shadowing. Check your guidance newsletters for summer opportunities and other valuable information.
Junior year Fall	Register to take the PSAT. Think about your reasons for going to college. Investigate possible career options and degree level required. Identify important factors in choosing a college.	Collect information from ED-OP DAY (Educational Opportunity Day). During ED-OP, students have the opportunity to talk with admissions counselors from South Carolina colleges and universities and some from out of state. Explore colleges and careers on SCOIS, DISCOVER and the Internet. Continue to focus on your schoolwork and to work with your parents, teachers and counselors.
Junior year Spring	Register for the SAT, ACT, COMPASS or ASSET. List colleges considering and collect information. Investigate summer enrichment programs. Continue to work to highest academic potential and to be involved in school and community activities.	Prepare for and visit colleges. Continue collecting college and career information. Enroll in summer activities. Take some time to volunteer.
Senior year Fall	Continue to take a full load of challenging courses. Compare the colleges on your list. Apply to your "choice" colleges. Register for the SAT, ACT, COMPASS or ASSET. Search for scholarship opportunities.	Participate in ED-OP Day and Financial Aid Night. Continue visiting colleges. Complete applications by early October. Check guidance newsletters for scholarship opportunities. Complete scholarship applications. Observe deadlines. Work closely with your counselor, parents and teachers to finalize your plans.
Senior year Spring	Apply for financial aid in January or February. Continue to search for scholarship opportunities. Make your final college decision. Register for college housing.	Complete the Federal Application for Student Financial Aid (FASFA) after January 1. Complete scholarship applications. Complete final paperwork for college of choice.