

Biology Day 1 (March 16 & 17)

Standards	H.B.4C.1 Develop and use models of sex cell formation (meiosis) to explain why the DNA of the daughter cells is different from the DNA of the parent cell.
Learning Targets/I Can Statements	I can develop and use models to explain why the daughter cells in meiosis are different than the parent cell.
Essential Question(s)	<ol style="list-style-type: none">1) Why is the DNA of parent and daughter cells different?2) How is the DNA of parent and daughter cells different?3) What would happen if the DNA of parent and daughter cells were identical?
Resources	Wifi District issued laptop or personal computer USAtestprep.com Edpuzzle.com or download the Edpuzzle app (free)
Learning Activities or Experiences	<ol style="list-style-type: none">1) Q3 Exam – USAtestprep.com (username: same as computer login; password: Hanson208; account ID: florasc)2) Join Edpuzzle using the class code below 1A – egaokzi 3A – hebatvi 2B - ziwogoj

Biology Day 2 (March 18 & 19)

Standards	B-5.3: Explain how diversity within a species increases the chances of its survival. B-5.4: Explain how genetic variability and environmental factors lead to biological evolution.
Learning Targets/I Can Statements	I can explain how diversity within a species increases the chances of its survival.
Essential Question(s)	<ol style="list-style-type: none">1) How are some animals best suited for their environment?2) Describe natural selection.3) Differentiate between genetic drift and gene flow.
Resources	Wifi District issued laptop or personal computer Edmodo Textbook or pearsonrealize.com Edpuzzle
Learning Activities or Experiences	<ol style="list-style-type: none">1) Use the power point on Edmodo to take notes over 5-3 part 2 (print power notes if you can/want)2) Work on textbook homework parts 3 & 43) Login to your Edpuzzle account – class codes are located in Day 1 assignments4) Watch MMM and fill in handout (given in class) if absent use the word document in the MMM folder for Round 1 and turn in when we return to school

Biology Day 3 (March 23 & 24)

Standards	<p>B-5.3: Explain how diversity within a species increases the chances of its survival. B-5.4: Explain how genetic variability and environmental factors lead to biological evolution.</p>
Learning Targets/I Can Statements	<p>I can explain how genetic variability and environmental factors lead to biological evolution.</p>
Essential Question(s)	<ol style="list-style-type: none"> 1) How does evolution occur? 2) What are the steps in evolution? 3) Describe natural selection.
Resources	<p>Wifi District issued laptop or personal computer</p> <p>Edmodo https://www.biointeractive.org/classroom-resources/lizard-evolution-virtual-lab (click launch interactive to begin)</p>
Learning Activities or Experiences	<ol style="list-style-type: none"> 1) Take notes over 5-3 part 3 from the power point on Edmodo in the Unit 5 folder 2) In the Unit 5 folder look for the PDF Lizard Evolution and answer the questions 3) Submit the Lizard Evolution assignment in the appropriate dropbox on Edmodo 4) Watch and answer questions of the two amoeba sisters videos on Edpuzzle 5) Watch the final Round 1 for MMM and fill in the handout

Biology Day 4 (March 25 & 26)

Standards	B-5.5: Exemplify scientific evidence in the fields of anatomy, embryology, biochemistry, and paleontology that underlies the theory of biological evolution. B-5.6: Summarize ways that scientists use data from a variety of sources to investigate and critically analyze aspects of evolutionary theory.
Learning Targets/I Can Statements	I can exemplify scientific evidence in the fields of anatomy, embryology, biochemistry, and paleontology that underlies the theory of biological evolution.
Essential Question(s)	<ol style="list-style-type: none">1) How does anatomy show evidence for evolution?2) How does embryology show evidence for evolution?3) How does biochemistry show evidence for evolution?4) How does paleontology show evidence for evolution?
Resources	Wifi District issued laptop or personal computer Edmodo Textbook or pearsonrealize.com
Learning Activities or Experiences	<ol style="list-style-type: none">1) Take notes over 5-5 from the power point on Edmodo2) Complete the worksheet on evidence of evolution in the Unit 5 folder on Edmodo and submit it in the appropriate dropbox on Edmodo3) Work on textbook homework part 54) Define your evolution vocab (located on Edmodo) on your manila folder

Biology Day 5 (March 27 & 30)

Standards	B-5.5: Exemplify scientific evidence in the fields of anatomy, embryology, biochemistry, and paleontology that underlies the theory of biological evolution. B-5.6: Summarize ways that scientists use data from a variety of sources to investigate and critically analyze aspects of evolutionary theory.
Learning Targets/I Can Statements	I can summarize ways that scientist use data from a variety of sources to investigate and critically analyze aspects of evolutionary theory.
Essential Question(s)	<ol style="list-style-type: none">1) Define natural selection.2) How are some animals adapted for their environment?
Resources	Wifi District issued laptop or personal computer Edmodo Edpuzzle Explorelearning.com Mastery connect
Learning Activities or Experiences	<ol style="list-style-type: none">1) Watch Genetic Drift on Edpuzzle and answer the questions throughout the video2) Take the 10 questions quiz on mastery connect over photosynthesis3) Download the Human Evolution – Skull Analysis word document in the Unit 5 folder on Edmodo and use the gizmo to help answer the questions4) Complete the 5 multiple choice questions under the gizmo when complete with word document

Biology Day 6 (March 31 & April 1)

Standards	B-5.3: Explain how diversity within a species increases the chances of its survival. B-5.4: Explain how genetic variability and environmental factors lead to biological evolution.
Learning Targets/I Can Statements	I can explain how diversity within a species increases the chances of its survival.
Essential Question(s)	<ol style="list-style-type: none">1) How did the human skull evolve?2) What are some human adaptations?3) Describe a beneficial adaptation.
Resources	Wifi District issued laptop or personal computer Edpuzzle Edmodo
Learning Activities or Experiences	<ol style="list-style-type: none">1) Take notes over 5-7 on Edmodo (use the power notes if you need/want to)2) Edpuzzle – watch 2 videos – Archaea & Classification3) Use the Round 2 Handout for MMM in the MMM folder on Edmodo and watch the Round 2 battles on Edpuzzle. Submit word document in the appropriate dropbox on Edmodo.4) Download the 2 EOC review questions word documents from Edmodo and once completed, use the dropbox on Edmodo to submit them

Biology Day 7 (April 2 & 3)

Standards	B-5.7: Use a phylogenetic tree to identify the evolutionary relationships among different groups of organisms.
Learning Targets/I Can Statements	I can use phylogenetic trees to identify the evolutionary relationships among different groups of organisms.
Essential Question(s)	<ol style="list-style-type: none">1) How are species related?2) What does a branch mean on the phylogenetic trees?3) Which species are closely related?
Resources	Wifi District issued laptop or personal computer Edmodo Explorelearning.com USAtestprep
Learning Activities or Experiences	<ol style="list-style-type: none">1) Take the evolution vocab quiz on usatestprep2) On Edmodo in the Unit 5 folder download the cladogram gizmo3) Use the Gizmo to answer the questions and submit it to the appropriate dropbox on Edmodo4) Answer the 5 multiple choice questions under the gizmo

Biology Day 8 (April 6 & 7)

Standards	B-5.7: Use a phylogenetic tree to identify the evolutionary relationships among different groups of organisms.
Learning Targets/I Can Statements	I can use a phylogenetic tree to identify the evolutionary relationships among different groups of organism.
Essential Question(s)	<ol style="list-style-type: none">1) How are species related?2) What does a branch mean on the phylogenetic trees?3) Which species are closely related?
Resources	Wifi District issued laptop or personal computer Unit 5 Folder Explorelearning.com Edmodo
Learning Activities or Experiences	<ol style="list-style-type: none">1) Download the phylogenetic tree worksheet from the Unit 5 folder on Edmodo and complete it. Submit in the appropriate dropbox on Edmodo2) Download the Sweet 16 and Elite Trait worksheet from the MMM folder on Edmodo and watch the video for sweet 16 on edpuzzle.3) Watch the Dichotomous Keys video4) Work on Unit 5 Folder

Biology Day 9 (April 8 & 9)

Standards	B-5.7: Use a phylogenetic tree to identify the evolutionary relationships among different groups of organisms. .
Learning Targets/I Can Statements	I can use a phylogenetic tree to identify the evolutionary relationships among different groups of organism.
Essential Question(s)	<ol style="list-style-type: none">1) How are species related?2) What does a branch mean on the phylogenetic trees?3) Which species are closely related?
Resources	Wifi District issued laptop or personal computer Edmodo Edpuzzle Unit 5 Folder
Learning Activities or Experiences	<ol style="list-style-type: none">1) Watch the video Speciation on Edpuzzle2) Download the word document Speciation activity and complete assignment. Submit in appropriate dropbox on Edmodo1) Finish watching the Elite Trait for MMM. Submit Sweet 16 and Elite Trait worksheet in the appropriate dropbox on Edmodo2) Work on Unit 5 Folder

Biology Day 10 (April 20 & 21)

Standards	B-5.7: Use a phylogenetic tree to identify the evolutionary relationships among different groups of organisms. .
Learning Targets/I Can Statements	I can use a phylogenetic tree to identify the evolutionary relationships among different groups of organism.
Essential Question(s)	<ol style="list-style-type: none">1) How are species related?2) What does a branch mean on the phylogenetic trees?3) Which species are closely related?
Resources	Wifi District issued laptop or personal computer Edmodo Edpuzzle Textbook or pearsonrealize.com
Learning Activities or Experiences	<ol style="list-style-type: none">1) Finish textbook homework2) Download and complete the review for evolution. Submit in the appropriate dropbox on Edmodo3) Download the Final Roar and Championship worksheet from the MMM folder on Edmodo4) Watch the Final Roar and Championship videos on Edpuzzle and fill in the information and submit in the appropriate dropbox on Edmodo