

**Career and Technical Education
High School (Grades 9-12)
Infection Control - Day 11 – Lesson One- Infection Control**

<p>Standards</p>	<ul style="list-style-type: none"> • Students will identify the five classes of microorganisms • Students will list the six components of the chain of infection • Students will differentiate between antisepsis, disinfection and sterilization • Employ valid and reliable research strategies • Students will demonstrate proficiency and skills associated with the use of technologies that are common to a specific occupation • Students will wash hands following aseptic technique • Students will observe standard precautions for clinical area
<p>Learning Targets/I Can Statements</p>	<ul style="list-style-type: none"> ➤ I can follow the basic principles of chemical disinfection ➤ I can define, pronounce, and spell key terms ➤ I can don and remove a transmission based isolation mask, gloves and gown. ➤ I can open sterile packages with no contamination ➤ I can follow the principles of chemical disinfection
<p>Essential Question(s)</p>	<p>1. What is Infection Control?</p>
<p>Resources</p>	<ul style="list-style-type: none"> • HealthCenter21 (Student Login: learn.aeseducation.com) • Microsoft Word • Microsoft Publisher • Internet • Microsoft Teams • Kahoot • Health 21
<p>Learning Activities or Experiences</p>	<p>Opening Activity (5 minutes)</p> <p>Why do think it is important to have Infection Control? What is Infection Control?</p> <p>Type your answer in Microsoft Word and email answer to teacher Robert-paul.isaac@richlandone.org</p> <p>Quick Write (Microsoft Word) (10 minutes):</p>

	<ul style="list-style-type: none"> • Define the following terms : Pathogens, Epidemic, Droplet precautions, Disinfection, Personal protective equipment, Pandemic, transmission –based precautions, mode of transmission, Susceptible host, portal of entry • Do not use Wikipedia to define Microsoft Terms • Terms should be defined in a Microsoft Word document <p>Assignment (Create a flyer on handwashing) (30 minutes)</p> <ul style="list-style-type: none"> • Create a flyer in Microsoft Word or Microsoft Publisher on proper handwashing techniques. Present flyer to a family member. Upload flyer in teams and respond to two of your peers posts in Microsoft Teams. <p>Digital Activity (Microsoft Teams - Group Chat (5 minutes):</p> <ul style="list-style-type: none"> • Upload flyer in Microsoft Teams and respond to two of your peers posts in Microsoft Teams.
Closing	<p>Closing Activity (5 minutes)</p> <p><i>Respond two peers posts in Microsoft Teams</i></p> <p>Homework Assignment “Practice teaching handwashing ” (30 minutes)</p> <ul style="list-style-type: none"> • Teach proper handwashing to a family member. • Present flyer family member

**Career and Technical Education
 High School (Grades 9-12)
 Health Science 1
 Infection Control - Day 12 – Lesson- Standard Precautions**

Standards	<ul style="list-style-type: none"> • Students will identify the five classes of microorganisms • Students will list the six components of the chain of infection • Students will differentiate between antiseptics, disinfection and sterilization • Employ valid and reliable research strategies • Students will demonstrate proficiency and skills associated with the use of technologies that are common to a specific occupation • Students will wash hands following aseptic technique • Students will observe standard precautions for clinical area
Learning Targets/I Can Statements	<ul style="list-style-type: none"> ➤ I can follow the basic principles of chemical disinfection ➤ I can define, pronounce, and spell key terms ➤ I can don and remove a transmission based isolation mask, gloves and gown ➤ I can open sterile packages with no contamination ➤ I can follow the principles of chemical disinfection
Essential Question(s)	2. What are standard precautions? And how are they utilized in hospital system?
Resources	<ul style="list-style-type: none"> • Microsoft Word • Microsoft Publisher • Internet • Microsoft Teams • Kahoot • Health Center 21
Learning Activities or Experiences	<p>Opening Activity (5 minutes)</p> <ul style="list-style-type: none"> • Why are standard precautions used in healthcare and what are common forms of protective equipment used for these? • Type your answer in Microsoft word and email answer to teacher Robert-paul.isaac@richlandone.org <p>Quick Write (Microsoft Word) (15 minutes):</p> <ul style="list-style-type: none"> • Define the following terms : bioterrorism, communicable disease, bacteria, airborne precautions, chemical disinfection, non-pathogens, fungi, anaerobic,

	<p>aerobic, asepsis, contact precautions, microorganism, opportunistic infections, endogenous infection, exogenous infection</p> <ul style="list-style-type: none"> • Do not use Wikipedia to define terms • Terms should be defined in a Microsoft Word document <p>Assignment: Join Class in HealthCenter 21</p> <ol style="list-style-type: none"> 1. Go to website learn.aeseducation.com. 2. Use code DQ5W8 <ul style="list-style-type: none"> • For new students click create account • Use code provided • If students already have an account all they would need to do is enroll in course using the code provided. <p>Assignment (Create a newsletter) (30 minutes)</p> <ul style="list-style-type: none"> • In a Microsoft Word document or document in Microsoft publisher create a newsletter on precautions used by healthcare workers to combat disease. Explain what standard precautions are and how they are implemented by health care workers <p>Digital Activity (Microsoft Teams - Group Chat (5 minutes):</p> <ul style="list-style-type: none"> • Upload Newsletter in Microsoft Teams and respond to two of your peers posts in teams. Be advised you are encouraged to use additional resources found on the internet. Sources must be sited at end of newsletter. Do not copy and paste information from the internet Post Newsletter to Microsoft teams.
<p>Closing</p>	<p>Closing Activity (5 minutes)</p> <ul style="list-style-type: none"> • Post at least two comments on “ Standard precautions Newsletter” <p>Homework Assignment “Standard precautions” (30 minutes)</p> <ul style="list-style-type: none"> • Explain how standard precautions are currently being used to a family member. • Present newsletter to family member

Name _____

Date _____

Product Rubric

	Exemplary	Proficient	Acceptable	Unsatisfactory	Points Allocated
	25 Points	23 Points	20 Points	16 Points	
Content	All information provided is complete and accurate. Extensive research on topic.	Product complete - Information is correct and relevant.	Basic information provided.	Product is lacking and/or information is inaccurate.	
Grammar/Mechanics	No errors in grammar, punctuation, spelling and/or capitalization.	With minor exceptions grammar and mechanics are correct.	Several errors in grammar, punctuation, spelling and/or capitalization.	Numerous errors in grammar, punctuation, spelling and/or capitalization.	
Design and Appearance	Product extremely neat. Design unique and creative with much attention to detail.	Product carefully designed and appearance was neat.	Information readable and appearance was neat.	Product was not neat at all and/or not able to read information.	
Timeframe	Turned in on the assigned date.	One (1) day late.	Two (2) days late.	Three (3) or more days late.	
Total Possible Points	100	92	80	64	
Total Points Awarded					

Career and Technical Education
High School (Grades 9-12)
Health Science 1
Infection Control - Day 13 – The Chain OF Infection

Standards	<ul style="list-style-type: none"> • Students will identify the five classes of microorganisms • Students will list the six components of the chain of infection • Students will differentiate between antiseptics, disinfection and sterilization • Employ valid and reliable research strategies • Students will demonstrate proficiency and skills associated with the use of technologies that are common to a specific occupation. • Students will wash hands following aseptic technique • Students will observe standard precautions for clinical area
Learning Targets/I Can Statements	<ul style="list-style-type: none"> ➤ I can follow the basic principles of chemical disinfection ➤ I can define, pronounce, and spell key terms ➤ I can don and remove a transmission based isolation mask, gloves and gown ➤ I can open sterile packages with no contamination ➤ I can follow the principles of chemical disinfection
Essential Question(s)	<p>3. What are the steps in the chain of infection and how are the links to the chain stopped?</p>
Resources	<ul style="list-style-type: none"> • Microsoft Word • Microsoft Publisher • Internet • Microsoft Teams • Kahoot • HealthCenter 21
Learning Activities or Experiences	<p>Opening Activity (5 minutes)</p> <p>Describe in detail what the links to The Chain OF Infection are step by step</p> <p>Type your answer in Microsoft word and email answer to teacher Robert-paul.isaac@richlandone.org</p> <p>Quick Write (Microsoft Word) (15 minutes):</p> <ul style="list-style-type: none"> • Describe step by step the chain of Infection for a known disease like the flu or the common cold

	<ul style="list-style-type: none"> • Do not use Wikipedia as a source, however online sources can be used • Answer should be typed in a word document and posted in Microsoft Teams <p>Assignment (Resource: HealthCenter 21) (30 minutes)</p> <ul style="list-style-type: none"> • Complete the Introduction to Infection Control Module using HealthCenter 21 <p>3. Go to website learn.aeseducation.com.</p> <p>4. Use code DQ5W8</p> <ul style="list-style-type: none"> • For new students click create account • Use code provided • If students already have an account all they would need to do is enroll in course using the code provided. <p>Digital Activity (Microsoft Word) - Group Chat (5 minutes):</p> <ul style="list-style-type: none"> • Upload Word Document to Microsoft Teams explaining how handwashing plays a role in eliminating The Chain Of Infection
Closing	<p>Closing Activity (5 minutes)</p> <ul style="list-style-type: none"> • Post at least two comments on “ Eliminating The Chain Of Infection” <p>Homework Assignment (Resource HealthCenter 21) (30 minutes)</p> <ul style="list-style-type: none"> • Complete the standard precautions Module on the HealthCenter 21

Name _____

Date _____

Product Rubric

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Content	All information provided is complete and accurate. Extensive research on topic.	Product complete - Information is correct and relevant.	Basic information provided.	Product is lacking and/or information is inaccurate.	
Grammar/Mechanics	No errors in grammar, punctuation, spelling and/or capitalization.	With minor exceptions grammar and mechanics are correct.	Several errors in grammar, punctuation, spelling and/or capitalization.	Numerous errors in grammar, punctuation, spelling and/or capitalization.	
Design and Appearance	Product extremely neat. Design unique and creative with much attention to detail.	Product carefully designed and appearance was neat.	Information readable and appearance was neat.	Product was not neat at all and/or not able to read information.	
Timeframe	Turned in on the assigned date.	One (1) day late.	Two (2) days late.	Three (3) or more days late.	
Total Possible Points	100	92	80	64	
Total Points Awarded					

**Career and Technical Education
High School (Grades 9-12)
Health Science 1
Infection Control - Day 14 – Personal Protective Equipment**

Standards	<ul style="list-style-type: none"> • Students will identify the five classes of microorganisms • Students will list the six components of the chain of infection • Students will differentiate between antiseptics, disinfection and sterilization • Employ valid and reliable research strategies • Students will demonstrate proficiency and skills associated with the use of technologies that are common to a specific occupation • Students will wash hands following aseptic technique • Students will observe standard precautions for clinical area
Learning Targets/I Can Statements	<ul style="list-style-type: none"> ➤ I can follow the basic principles of chemical disinfection ➤ I can define, pronounce, and spell key terms ➤ I can don and remove a transmission based isolation mask, gloves and gown. ➤ I can open sterile packages with no contamination ➤ I can follow the principles of chemical disinfection
Essential Question(s)	4. What is personal protective equipment?
Resources	<ul style="list-style-type: none"> • Microsoft Word • Microsoft Publisher • Internet • Microsoft Teams • Kahoot • HealthCenter 21
Learning Activities or Experiences	<p>Opening Activity (Microsoft Word) (5 minutes)</p> <ul style="list-style-type: none"> • How are Personal Protective Equipment used in the Healthcare Industry? • Type your answer in Microsoft Word and email answer to teacher Robert-paul.isaac@richlandone.org (5 minutes) <p>Quick Write (Microsoft Word) (15 minutes):</p> <ul style="list-style-type: none"> • Describe what forms of personal protective equipment are used for droplet precautions. • Do not use Wikipedia as a source, however online sources can be used

	<ul style="list-style-type: none"> • Answer should be typed in a word document and posted in Microsoft Teams <p>Assignment (Resource on HealthCenter 21) (30 minutes)</p> <ul style="list-style-type: none"> • Complete the transmission-based precautions module on HealthCenter 21 <ol style="list-style-type: none"> 1. Go to website learn.aeseducation.com. 2. Use code DQ5W8 <ul style="list-style-type: none"> • For new students click create account • Use code provided • If students already have an account all they would need to do is enroll in course using the code provided. <p>Digital Activity (Microsoft Teams) - Group Chat (5 minutes):</p> <ul style="list-style-type: none"> • What are some of the risks a healthcare worker might face by not using proper personal protective equipment?
Closing	<p>Closing Activity (5 minutes)</p> <ul style="list-style-type: none"> • Post at least two comments on “ The risk a healthcare worker might face on improper use of personal protective equipment” on Microsoft Teams <p>Homework Assignment “Resource HealthCenter 21 ” (30 minutes)</p> <ul style="list-style-type: none"> • Complete the sterile technique portion of the Health 21 module

**Career and Technical Education
High School (Grades 9-12)
Health Science 1
Infection Control - Day 15 – Sterilization**

Standards	<ul style="list-style-type: none"> • Students will identify the five classes of microorganisms • Students will list the six components of the chain of infection • Students will differentiate between antiseptics, disinfection and sterilization • Employ valid and reliable research strategies • Students will demonstrate proficiency and skills associated with the use of technologies that are common to a specific occupation. • Students will wash hands following aseptic technique • Students will observe standard precautions for clinical area
Learning Targets/I Can Statements	<ul style="list-style-type: none"> ➤ I can follow the basic principles of chemical disinfection ➤ I can define, pronounce, and spell key terms ➤ I can don and remove a transmission based isolation mask, gloves and gown. ➤ I can open sterile packages with no contamination ➤ I can follow the principles of chemical disinfection
Essential Question(s)	5. Why is infection control important in preventing disease?
Resources	<ul style="list-style-type: none"> • Microsoft Word • Microsoft Publisher • Internet • Microsoft Teams • Kahoot • HealthCenter 21: learn.aeseducation.com
Learning Activities or Experiences	<p>Opening Activity (Microsoft Word) (5 minutes):</p> <ul style="list-style-type: none"> • How can disinfectants prevent the spread of infection? • Type your answer in Microsoft Word and email answer to teacher Robert-paul.isaac@richlandone.org (5 minutes) <p>Quick Write (Microsoft Word) (15 minutes):</p> <ul style="list-style-type: none"> • Describe what the different forms of microorganisms are and explain why sterilization is used healthcare to combat their spread

	<ul style="list-style-type: none"> • Do not use Wikipedia as a source, however online sources can be used • Answer should be typed in a Microsoft Word document and posted in Microsoft Teams <p>Assignment (Resource HealthCenter 21) (40 minutes)</p> <ul style="list-style-type: none"> • Complete the Infection control module examine on Health 21 • Give your students the code for this class period: DQ5W8 • Have your students go to learn.aeseducation.com. <ul style="list-style-type: none"> ○ New Students - Click to create a new account. ○ Students With Accounts - Sign in and then click to enroll. <p>Digital Activity (Microsoft Teams) - Group Chat (5 minutes):</p> <ul style="list-style-type: none"> • How does social distancing prevent the spread of disease?
Closing	<p>Closing Activity (5 minutes)</p> <ul style="list-style-type: none"> • Post at least two comments on “ Social Distancing ” on Microsoft Teams <p>Homework Assignment (20 minutes)</p> <ul style="list-style-type: none"> • Create a Microsoft Word document describing how you or family are currently using precautions to prevent the spread of disease. Upload response to Microsoft Teams.