

Career and Technical Education
High School (Grades 9-12)
Health Science 1
Infection Control - Day 16 – Blood Borne Pathogens

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>1. What are blood borne pathogens?</p>
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"> • What are some of the conditions that are referred to as blood borne pathogens? • 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 medical precautions should be used when treating a patient with a blood borne pathogen? How should wound care be provided to those patients • 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 Blood Borne Pathogens HIV, AIDS, and Hepatitis module on HealthCenter 21 • Below are the directions for students to sign in and create a HealthCenter 21 account • 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"> • Describe the Signs and Symptoms of HIV/AIDs? And how does the condition affect the immune system? • Post response to Microsoft Teams
Closing	<p>Closing Activity (5 minutes)</p> <ul style="list-style-type: none"> • Post at least two comments on “ HIV/AIDS ” on Microsoft Teams <p>Homework Assignment (20 minutes)</p> <ul style="list-style-type: none"> • List eight times the hands must be washed • Submit response as a Microsoft Word document on Microsoft Teams

**Career and Technical Education
 High School (Grades 9-12)
 Health Science 1
 Infection Control - Day 17 – HIV/AIDS and Hepatitis C**

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>2. What viral conditions are the most common causes of blood borne pathogens?</p>
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"> • What are some the signs and symptoms of HIV/AIDS, Hepatitis C and what are the conditions method of transmission? • 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 the in detail the Needlestick Safety and Prevention act and what organization established it.

	<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 Blood Borne Pathogens Standard Precautions module in HealthCenter 21• Below are the directions for students to sign in and create a HealthCenter 21 account• 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 (Resource: Microsoft Teams) - Group Chat (5 minutes):</p> <ul style="list-style-type: none">• What special precautions for personal protective equipment must be followed for Hepatitis C?• Post response to Microsoft Teams as a Microsoft Word Document
Closing	<p>Closing Activity (5 minutes)</p> <ul style="list-style-type: none">• Post at least two comments on “ Hepatitis C ” on Microsoft Teams <p>Homework Assignment (20 minutes)</p> <ul style="list-style-type: none">• Differentiate between antisepsis, disinfection, and sterilization• Submit response as a Microsoft Word document on Microsoft Teams

**Career and Technical Education
 High School (Grades 9-12)
 Health Science 1
 Infection Control - Day 18 – Blood Borne Pathogens Standard**

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 is the Blood Borne Pathogens Standard?</p>
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"> • Why did OSHA create the blood borne pathogens standard? • 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"> • What are 4 methods of compliance to blood borne pathogens standards? • 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 Microsoft Word document and posted in Microsoft Teams <p>Assignment (Resource HealthCenter 21) (40 minutes)</p> <ul style="list-style-type: none">• Complete the Blood Borne Pathogens Blood Borne Pathogens Standard module in HealthCenter 21• Below are the directions for students to sign in and create a HealthCenter 21 account• 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 (Resource: Microsoft Teams) - Group Chat (5 minutes):</p> <ul style="list-style-type: none">• Name the different types of personal protective equipment and describe when they would be used?• Post response to Microsoft Teams as a Microsoft Word Document
Closing	<p>Closing Activity (5 minutes)</p> <ul style="list-style-type: none">• Post at least two comments on “ PPE” on Microsoft Teams <p>Homework Assignment (20 minutes)</p> <ul style="list-style-type: none">• Differentiate between hepatitis A, B and C• Submit response as a Microsoft Word document on Microsoft Teams

Career and Technical Education
High School (Grades 9-12)
Health Science 1
Infection Control - Day 19 – Blood Borne Pathogens Module Test

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>4. What are the ways blood borne pathogens can be prevented?</p>
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 contracting blood borne pathogens be prevented? • 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"> • You are the nurse on duty at an urgent care unit to a hospital. You are asked by the Doctor to draw the patients' blood for labs. While disposing of the used

	<p>needle you accidentally prick your finger with the used needle. What should you do?</p> <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 Blood Borne Pathogens Blood Borne Module Test in HealthCenter 21 • Below are the directions for students to sign in and create a HealthCenter 21 account • 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 (Resource: Microsoft Teams) - Group Chat (5 minutes):</p> <ul style="list-style-type: none"> • Identify three ways to break the chain of infection? • Post response to Microsoft Teams as a Microsoft Word Document
<p>Closing</p>	<p>Closing Activity (5 minutes)</p> <ul style="list-style-type: none"> • Post at least two comments on “ Chain of Infection” on Microsoft Teams <p>Homework Assignment (20 minutes)</p> <ul style="list-style-type: none"> • Research Endogenous Infection • Submit response as a Microsoft Word document on Microsoft Teams

**Career and Technical Education
High School (Grades 9-12)
Health Science 1
Infection Control - Day 20 – Infection Control Test**

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 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
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>5. Why are Infection Control Standards utilized in all medical facilities?</p>
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 sepsis be caused? What microorganisms could cause the condition? • 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"> • List the classifications of bacteria by shape and give two examples of diseases caused by each class? • 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 exam in HealthCenter 21 • Below are the directions for students to sign in and create a HealthCenter 21 account • 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 (Resource: Microsoft Teams) - Group Chat (5 minutes):</p> <ul style="list-style-type: none"> • Describe how droplet precautions are commonly being used? • Post response to Microsoft Teams as a Microsoft Word Document
<p>Closing</p>	<p>Closing Activity (5 minutes)</p> <ul style="list-style-type: none"> • Post at least two comments on “ Droplet Precautions” on Microsoft Teams <p>Homework Assignment (20 minutes)</p> <ul style="list-style-type: none"> • Define hospital-acquired infections • Submit response as a Microsoft Word document on Microsoft Teams

