



## Weekly Lesson Plan

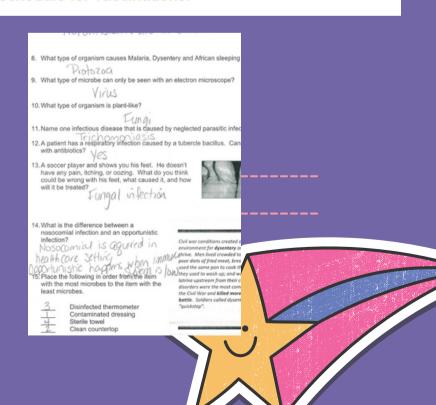
#### Course Standard 9

#### HS-IHS-9

Analyze different types of microorganisms and their defining characteristics to reduce the risk of infection or illness. Demonstrate physicochemical methods and the use of PPE in preventing and controlling the spread of microbial growth.

- 9.1 Define and describe the need for asepsis and infection prevention in the classroom, laboratory, and in the healthcare environment.
- 9.2 Compare and demonstrate various physical (hand washing and PPE) and chemical methods (cleaning, disinfection, and sterilization) used to control or prevent microbial growth.
- 9.3 Examine the evolution and spread of antibiotic resistant pathogens.
- 9.4 Analyze ways microorganisms are spread using the chain of infection model.
- 9.5 Utilize personal protective equipment (PPE) and apply personal safety procedures based on OSHA (Occupational Health and Safety Administration and the Centers for Disease Control and Prevention (CDCP).
- 9.6 Describe methods of controlling the spread and growth of microorganisms.
- 9.7 Discuss Hospital Acquired Infection (HAI), the HAI standards and reporting of HAI.
- 9.8 Discuss immunizations and the schedule for vaccinations.

	ections: Follow your	teacher's instructions for answering the questions below.				
	List five (5) healthca and why;	re careers that would be MOST concerned with infection control				
	Health Career	Why would this professional be concerned with infection control?				
	Nurse	They go from room to room				
	Janitor	making Sure stuff is dran after t				
	Doctor	Sees sick and well patients				
	CNA	Changing Dahents				
	Dhysical Hugo	of They take equipment into the room				
2. 1	Is E. coli a pathogen or a nonpathogenic Both Why? His in gur					
		digestive system.				
3. 1	What is the difference	be between a microbe and microorganism?				
4. 1	What is the ideal em	Sam & vironment for the growth of microorganisms?				
5.	When you pour hydr give off oxygen. Wha	rC in moist ground on a bloody abrasion, it bubbles. The bubbles at type of microbe would potentially be destroyed by the use of aerobic or anaerobic?				
6. 1	Bacteria are classified by shape. Draw an example of each shape.					
[	Shape	My Drawing				
	Spirilla	20				
	Bacilli					





# Weekly Lesson Plan

Name:

#### Grade:

#### Monday

9.1 Define the need for infection control 9.2 Compare physical as well as chemical controls PowerPoint Presentation on Chapter 10- Infection Control

#### Tuesday

9.3 Observe the spread of pathogens Glo Germ Lab/ In notebook define terms at beginig of chapter

#### Wednesday

9.4 Analyzie the chain of infection Chain of infection entry in notebook

#### Thursday

9.5 Utilize PPE, discuss OSHA, CDC Don & Doff PPE, gloves, gown, and mask

#### Friday

9.6 Discuss methods for preventing spread of infection Handwashing lab

#### Notes









## Weekly Lesson Plan

Name: Kristine Spivey Grade: 3rd and 4th block

#### Monday

9.7 Discuss hospital
aquired infections
9.8 Vaccination
schedules
Discuss recent news
with measles outbreak
in Florida and how
vaccines control huge
outbreaks

#### Tuesday

Create a flyer to demonstrate Contact, Droplet or Airborne precautions- upload on Google Classroom

#### Wednesday

Principles of Infection Control Handout

- E-coli (good/bad)
- Bacteria
- Nosocomial Infection
- Government Agencies

#### Thursday

- Kahoot to review for test on Infection Control
- Safety Inspection

#### Friday

Test
Chapter 10
Infection Control

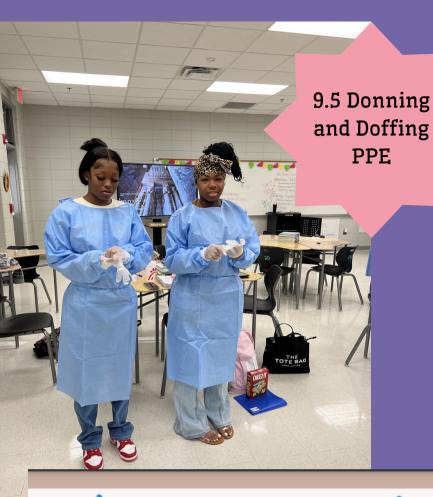
#### Notes

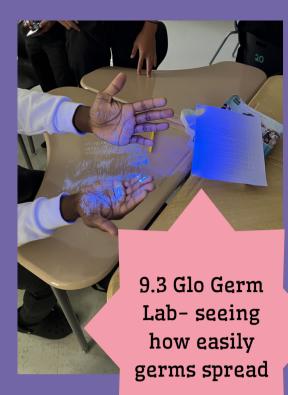
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#### DROPLET PRECAUTIONS



### Influenza/Flu

Propelled short distances in the air, through talking sneezing, and coughing

Before entering patients room:

- Wash hands
- DON PPE: gown, gloves, mask, and eye protection

After exiting patients room:

- DOFF Mask, eye protection, gloves, and gown
- Wash hands







Students created a flyer on a type of precaution

opiu	Date:					
cautions G	Group P	roject				
	Points Possible					Points
Iten valuated	Superior	Excellent	Good	Fair	Poor	Allocated
Poster: Irtistic/design value	(10)	8	6	4	2	
Creativity	10	8	6	4	2	
Veatness	10	8	6	4	2	
nfection control information – clear, concise and includes important information	20	16	12	8	4	
resentation/Demonstration: opic information presented in a clear and oncise manner	(10)	8	6	4	2	
eam members were able to communicate moortant information in an interesting and aformative manner	15	12	9	6	3	
Voice (volume/grammar) and enthusiasm	(5)	4	3	2	1	
Appearance, poise, eye contact, gestures	10	8	6	4	2	
Group Work: All team members worked cooperatively and contributed to the success of the project.		8	6	4	2	
TOTAL POINTS /	100	72	54	36	18	

Very good!

HS-IHS-9						
Test 4 Bbck book 2013-24						
9.1,9.2,9.3,9.4,						
9.5,9.6,9.7, and mainly person to person through coughing or sneezing by infected people.						
9.8 shen the bacteria live in the body without causing symptoms.						
when the observation of the every windows causing symptoms.						
e virus is transmitted by infected birds to humans and animals.	Chapter 10					
alic X	a Microorganisms can live in wet cloth towels.					
4. It is never necessary to change your gloves while you are working on the same patient, only when you move from one	(b, Cloth towels are more expensive. c. Paper towels are more convenient because they do not require laundering.					
patient to another.	d. Paper dries the hands more quickly and effectively.					
6. False X	19. What is the principal purpose of a rise in body temperature?					
<ol> <li>Opportunistic infections are the result of infectious material carried by health care workers from one patient to another.</li> <li>a. True</li> </ol>	a. Serves as a sign of infection  B. Higher temperature kills microorganisms					
6. False	c. Heat required to produce white blood cells d. Activates the immune response					
Almost all bacteria cap-be destroyed by antihiotics.     Are     Frage     Frage	20. What is the correct way to handle a needle after it is used to give a vitamin injection to a healthy patient?					
7. MBSA (methicillin-resistant Staphylococcus aurens) is a virus     Chapter 10	Discard it in a wastebasket with other trash after recapping it.					
note     b. False     11. What is the term for microorganisms that cause dama	by Discard it in a biohazard bag. ge by nourishing themselves at the expense . C. Sterilize it as soon as possible to avoid the possible spread of infection.					
8. The number of hospitalized patients that get infections unrelat  a. Hosts	d. Place it immediately in a puncture-resistant container.					
hospital is increasing.  (a. True  C. Toxins	21. Why are diseases caused by viruses often very difficult to treat?					
b. False d. Symbiosis	They are difficult to identify.     They are obligate intracellular parasites.					
<ol> <li>A specially fitted mask must be worn when working with AID</li> <li>Which of the following diseases is contracted by the h</li> <li>A IDS</li> </ol>	ighest number of health care workers each c. They cannot be seen under the microscope.  d. They cannot be destroyed by antibiotics.					
(b. False (b. fepatitis B						
(a. True  d. AIDS, Hepatitis B, and TB each affect about the si						
5. False  13. What was the immediate result of the work of Louis P	tasteur? c. CDC first alert precautions.					
Indicate the answer choice that best completes the statemen  a. Invention of the microscope b. Creation of the germ theory	d. neutropenic precautions.					
c. Recognition of microbiology as a science d. Development of standard precautions	23. When should medical assistants who work in private physicians' offices wear nonsterile gloves?					
14. Which of the following procedures is an example of n	a. At all times  a. At all times  bothen there may be contact with body fluids or broken skin					
a. Covering the face with a surgical mask     b. Wearing sterile gloves	c. Only when working with patients who have infections					
e. Handwashing d. Sterilizing instruments	d. When assisting physicians with minor surgeries					
	24. When should health care workers who are in direct contact with patients follow standard precautions?  When working with patients who have infections					
15. Which of the following is true about Clostrictions all a. It is becoming less of a concern as it is easily treat	ed. b.At all times					
b. It causes severe respiratory distress.  (c.) It causes life-threatening diarrhea.	Before and during surgical procedures     Myen coming on duty and after using the toilet					
d. It is a virus.	25. The Occupational Safety and Health Administration (OSHA) conducts visits at health care facilities in order to:					
<ol> <li>Against which of the following diseases can health ca a. AIDS</li> </ol>	a ensure employee safety.					
b, Hepatitis B	b. license onsite laboratories.					
d. No vaccine has been created for any of these disea	151.					
17. What ja the proper way to remove linen and other iten a Dispose of items in special medical waste contain-						
6. Bug items once in the room, and then place them	Chapter 10					
c. Double-bug items before leaving the room. d. Hand them to a coworker in the hall who does no	Chapter 10					
18. Why are paper towels most appropriate for drying th	31. Inhibits growth of microorganisms					
Chapter 10	L F					
	32. Disease-causing microorganism					
c. provide vaccines for workers.	52. Disease-causing interoorganism					
d. research the cause of diseases.	22 Kills all missourcenies					
26. What is the proper action to take if blood is splashed on a countertop during a procedure	33. Kills all microorganisms					
<ol> <li>Glean the spill with an antiseptic as soon as possible.</li> </ol>	X. +					
b. Wipe it up with a paper towel.	34. Occurs while a person is receiving health care					
C. Clean the spill as soon as possible with a disinfectant.	· X C					
d. Scrub the area well after the patient leaves.	35. Tends to occur when the body is in a weakened state					
27. What is the difference between medical and surgical asepsis?	V D					
<ol> <li>Medical-asepsis-is-used-in-physicians'-offices;-sterile-asepsis-is-used-in-hospitals.</li> </ol>	36. Harmless microorganisms that are always present in or on the body					
b. Sterile asepsis is used when serious infections are present.	X (4					
c. Only medical asepsis involves handwashing.	37. Requires oxygen to live					
(d) Medical asepsis decreases pathogens; sterile asepsis eliminates pathogens.	37. Requires oxygen to five					
28. How does the body's immune response operate to fight infection?	X					
a Produces antibodies	38. Destroys most bacteria and viruses					
b. Helps the body process medications						
c. Suppresses the normal flora	Match each type of microbe with the following diseases it causes.					
d. Increases the number of resident flora	a. Bacteria					
29. The germ theory states that:						
a. infectious diseases can be cured with antibiotic therapy.	b. Virus					
b. most microorganisms are harmful to humans.	c. Fungi					
c. health care workers should wash their hands frequently.	d. Rickettsia					
d. bacteria cause many specific diseases.						
30. What is the most common reason that long-term antibiotic therapy can cause new infect	e. Protozoa					
a. Interferes with the body's immune response	20.0					
b. Masks symptoms that then go untreated	39. Common cold, influenza, ehickenpox, hepatitis B, AIDS, measles, polio					
c. Destroys the body's normal flora	<b>У</b> В					
d. Weakens the physiological state of the body	40. Dysentery, trichomonas, malaria					