

Grade 10-12

Distance Learning Module 1: Introduction to Infectious Disease and Pandemics Week of: March 30- April 3rd

Content Area: Infectious Disease - *Modified from [Unit #1 - Outbreak!](#)*

Targeted Goals from Stage 1: Desired Results

Content Knowledge:

- Generalized introduction to the concepts of infectious disease/infectious agent
- Generalized familiarity with the unit vocabulary (*see below*)

Vocabulary: *Students will touch upon these concepts:* Pathogen, transmission, causative agent, epidemiological triangle, zoonotic, communicable, virulence, host, Emerging Infectious Disease (EID), vector, outbreak, pandemic, epidemic, vaccine, antibiotic

Skills:

- Explain what an infectious agent/disease is
- Explain general parameters involved in detection, transmission, and containment of an infectious agent/disease

Expectation:

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
Monday: Introduction to the class(Live: Google Hangout recorded session) <ul style="list-style-type: none">• Introduction to World Contagion Map and current pandemic/outbreak tracking <u>Outbreak Monitor</u>• Class First Day activity: “What is an Infectious Disease?”	<ul style="list-style-type: none">• <u>Outbreak Monitor</u>• Google Form survey: <u>What is an infectious disease?</u>	Return to Google Classroom: Google form Survey: “What is an infectious disease? “

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
<ul style="list-style-type: none"> ○ Open up the Google Form survey, and answer first question. ○ after each question there will be a short whole-class discussion 		
Tuesday: <ul style="list-style-type: none"> ● Watch and analyze a video segment of a simulated pandemic ● Post discussion questions <ul style="list-style-type: none"> ○ <u>Students answer and respond to one another</u> 	EdPuzzle: Clade X Video (7 minutes)	Return to Google Classroom : <ul style="list-style-type: none"> ● Answer embedded questions in EdPuzzle video ● Answer post discussion questions posted by teacher, and respond to other student's posts
Wednesday Solve the Outbreak Game <ul style="list-style-type: none"> ● Students <u>sign up</u> to do an individual case ● Students go to website "Solve the Outbreak". ● They choose one of the Level 1 outbreaks to solve, play the game, answer and submit questions on Classroom ● Students share what they learned about their outbreaks with classmates 	<ul style="list-style-type: none"> ● <u>sign up</u> sheet ● Website "Solve the Outbreak". ● <u>Post activity questions for Outbreak Game</u> 	Return to Google Classroom : <ul style="list-style-type: none"> ● Sign up for individual case/outbreak ● Complete post-activity questions ● Respond to teacher-posted question to share what you learned with others in the class
Thursday: Introduction to Pandemics <ul style="list-style-type: none"> ● Watch TED Ed Pandemic Video (8 min) and answer embedded questions 	EdPuzzle: <u>How Pandemics Spread</u>	Return to Google Classroom : <ul style="list-style-type: none"> ● answer embedded video questions in EdPuzzle video

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
Friday: Video and questions: Watch the first 30 minutes of video “Spillover Part 1”	EdPuzzle: Spillover-Part 1 Zika, Ebola, and Beyond	Return to Google Classroom : <ul style="list-style-type: none"> answer embedded video questions in EdPuzzle video

Week criteria for success (attach student checklists or rubrics):

- Google form Survey: “What is an infectious disease? “
- CLADE X: Answer embedded questions in EdPuzzle video
- CLADE X: Answer post discussion questions posted by teacher, and respond to other student’s posts
- Solve the Outbreak: Sign up for individual case/outbreak
- Solve the Outbreak: Complete post-activity questions
- Solve the Outbreak: Respond to teacher-posted question to share what you learned with others in the class
- Answer embedded video questions in EdPuzzle video “How Pandemics Spread”
- answer embedded video questions in EdPuzzle video “Spillover Part 1”

Supportive resources and tutorials for the week (plans for re-teaching):

- Q and A sessions during the week (see Google Classroom for times and invite codes)