Distance Learning Module 9: Week of: June 1st – June 5th

Anatomy and Physiology - Modified from Unit #3 - Immune System

Targeted Goals from Stage 1: Desired Results

Content Knowledge:

- 1. Viruses and bacteria have different structures and processes, which has implications for the immune system as well as medical treatment and prevention approaches.
- 2. The major structures of the Immune System are: complement proteins, granulocytes, macrophages, dendritic cells, helper T cells, Killer T cells, B cells, plasma cells, and memory B cells. All of which work together and have specific structures that allow them to function in protecting the body from infection.
- 3. The immune system is responsible for allowing a person's body to fight off a viral or bacterial infection.
- 4. The human body has nonspecific defenses against infection.
- 5. Students will know the cause, symptoms, treatment, and relevant statistics associated with an infectious disease of choice (either bacterial or viral).
- 6. People who are immunocompromised can suffer and die from infections that typically do not severely impact the health of people with immune systems that are not compromised.

Vocabulary:

Pathogen, Capsule, Cell Wall, Plasma Membrane, Bacterial Chromosome, Ribosomes, Pilli, Binary Fission, Envelope, Capsid, Antigens, DNA/RNA, Lytic cycle, Portal of entry, Complement System, Granulocytes, Macrophages, Dendritic cells, Helper T cells, Killer T cells, Plasma Cells, Memory B Cells, Antigen, Antigen Presentation

Skills:

Conduct research to investigate, model, and communicate detailed information about a body system.

Expectation:

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
Monday:	Website requirements will be listed in the	
Students will continue to put their research	Google Classroom assignment.	
information and pictures of their model into		
their Anatomy and Physiology website.		
Tuesday:	Website requirements will be listed in the	Formal Check-in: Progress should be visible
Students will continue to put their research	Google Classroom assignment.	in the Immune System portion of the
information and pictures of their model into		Anatomy and Physiology website.
their Anatomy and Physiology website.		
Wednesday:	Website requirements will be listed in the	
Students will finish putting their research	Google Classroom assignment.	
information and pictures of their model into		
their Anatomy and Physiology website.		
Thursday:	Edulastic Case Study	Formal Check-in: Progress should be made
Students will start the Immune System case	**Students will be able to use the website	on the case study in Edulastic.
study.	they have created to help answer the	
	questions in the case study.	
Friday:	Edulastic Case Study	The case study should be completed in
Students will complete the Immune System	**Students will be able to use the website	Edulastic.
case study.	they have created to help answer the	
	questions in the case study.	

Week's criteria for success (attach student checklists or rubrics): Criteria for website success will be posted in the text of the Google Classroom assignments.

Supportive resources and tutorials for the week (plans for re-teaching): The teacher will hold live video help sessions Monday, Tuesday, Thursday, and Friday.