

Science : Human Body Systems

Grade 12



#	Essential Knowledge/Skill	Alignment
1	INQUIRY: I can plan and carry out a controlled scientific experiment.	NGSS Science & Engineering Practices: Asking Questions & Defining Problems, Planning & Carrying Out Investigations
2	DATA: I can effectively collect, process, and communicate scientific data and observations.	NGSS Science & Engineering Practices: Using Math & Computational Thinking
3	DEFENSE: I can construct an explanation using scientific evidence.	NGSS Science & Engineering Practices: Constructing Explanation & Designing Solutions, Engaging in Argument for Evidence, Analyzing & Interpreting Data
4	Identity: I can explain how the different body systems contribute to human and individual identity.	
5	Communication: I can analyze and model how different body systems (nervous and endocrine) work to control electrical and chemical communication within the body and between the body and the outside environment.	
6	Power: I can analyze and explain how different body systems (digestive, respiratory, and urinary) function to obtain the raw materials to create energy for the body and maintain a state of homeostasis.	
7	Movement: I can analyze and explain how different body systems (skeletal, nervous, muscular, and circulatory) function to obtain the raw materials to produce movement in the body and evaluate those different types of movement.	
8	Protection: I can relate different body systems (skeletal, integumentary, immune/lymphatic, and reproductive) to their functions in protecting body from damage and pathogens.	

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