

Human Body Systems

ESTABLISHED GOALS (CCSS)

7.S.3.3 Understand the Cell is the Basis of Form and Function for All Living Things
 7.S.5.2 Understand the Relationship between Science and Technology
 7.S.1.1 Understand Systems, order and Organization
 7.S.1.2 Understand Concepts and processes of Evidence, Models, and Explanations
 7.S.1.3 Understand Constancy, Change, and Measurement
 7.S.3.2 Understand the Relationship between Matter and Energy in Living Systems
 7.S.1.4 Understand the Theory that Evolution is a Process that Relates to Gradual Changes in the Universe and of Equilibrium as a Physical State

Transfer

Students will be able to independently use their learning to...
 Identify different body systems and determine how each aids in maintaining homeostasis?

Meaning

UNDERSTANDINGS

Students will understand that...

There is a relationship between cell, tissues, organs, organ systems, and the organism.

Each body system is made up of organs.

Research is currently being done to help further our understanding of body systems and promote better health

ESSENTIAL QUESTIONS:

How is homeostasis maintained in an organism through each of the body systems?

How does each body system work?

How do body systems work together?

What is homeostasis?

What is medical science currently doing in the area of body systems?

Acquisition

Students will know...

Small systems work together in order to benefit the overall organism.

The structure and function of the major body systems.

Current scientific research

Students will be skilled at...

Describing in written form how an organism is made up of smaller systems and how that relates back to the basic unit of life – the cell.

Identifying the function of each major body system and the location of the organ associated with the different body systems.

Discussing the importance of

<p>7.S.3.1 Understand the Theory of Biological Evolution</p> <p>7.S.5.3 Understand the Importance of Natural Resources and the Need to Manage and Conserve Them</p> <p>CCSS Writing Standards 1-10</p> <p>CCSS Reading Standards 1-10</p>		
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Stage 2 - Evidence

Evaluative Criteria	Assessment Evidence			
<p>PERFORMANCE TASKS</p>	<p>CURRICULUM EMBEDDED PERFORMANCE ASSESSMENT (PERFORMANCE TASKS):</p> <p>Students will choose one organ, determine what system it is part of and make an analogy as to how that organ is related to a specific organelle of a cell. The student will write and share this information with the class. They will also use this information to create a poster describing the similarities and differences.</p> <p>End of Course Exam with different forms of assessment including short answer, diagrams, multiple choice and matching</p>			
	<p>OTHER EVIDENCE:</p> <p>Dissection Labs</p> <p>Other Labs</p> <p>Homework</p> <p>Teacher Made Tests</p> <p>Activities</p> <p>Computer work</p> <p>Current Event Discussions</p>			
<p>CLAIMS</p>	<p>CLAIM 1</p>	<p>CLAIM 2</p>	<p>CLAIM 3</p>	<p>CLAIM 4</p>
<p>DEPTH OF KNOWLEDGE LEVELS</p>	<p>DOK 1</p>	<p>DOK2</p>	<p>DOK 3</p>	<p>DOK4</p>

ACHIEVEMENT LEVEL DESCRIPTORS	ALD 1	ALD 2	ALD 3	ALD 4
Stage 3 – Learning Plan	Individual Lessons on the following body systems			
<i>Summary of Key Learning Events and Instruction</i>	Skeletal Digestion Circulation Respiration Excretion Nervous Immune Reproduction Muscular			

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