

Name of Unit: _____ Body Systems _____ **Grade:** ____7____ **Unit:** ____5____

PE Code: [LS1-3](#)

Driving Question: How are cells organized into systems and subsystems that make up the body? Use argument supported by evidence for how the body is a system of interacting subsystems composed of groups of cells.

Evidence Statement: [LS1-3](#)

NGSS Dimensions addressed

Disciplinary Core Idea
STRUCTURE AND FUNCTION
Scientific & Engineering Practices
Engaging in Argument from Evidence
Crosscutting Concepts
Systems and System Models

	Lesson Cycle	Discussion Questions	# of days
Engage	Inside the Living Body -video clip Organization of the Human Body warm up	A school is organized into classrooms with students and teachers, offices with secretaries, administrators, and support staff, the cafeteria with cafeteria workers, etc. How do you think the human body is organized? Are all parts of the body the same? If not, what makes one part different from another? Explain in as much detail as you can	.5-1

Explore	Organization of Human Body (reading and short videos) Human Body Graphic Organizer- web Students explore website resources and complete the graphic organizer All Systems Go Lesson Plan - Interactive body system model All Systems Go Activity Discussion on how systems are related systems related to nervous system website (can also be done with LS1-8)	In what ways do various parts of the human body change as the systems interact with larger more complex systems? For ex, how does increasing your heart rate affect your respiratory system when exercising?	3-4
Explain	Holt Textbook: Human Body Systems and Health (chapter 1 section 1,2,3,4 ;chapter 2 section 1,4;chapter 3 section 1; chapter 4 section 1)		2
Elaborate	Homeostasis Gizmo (needs to be HTML) Homeostasis webquest Amoeba Sisters: Human Body Systems → The 11 Champions (8 minute video)	How does your body adjust to it's surroundings? For example, how does your body adjust when it's hot outside?	1-2
Evaluate	Homeostasis Lab	Give specific evidence from the homeostasis lab to support the idea that systems are interacting with one another to support the body. For ex, how does increasing your heart rate affect your respiratory system when exercising?	1

Bodies and Systems