

Time Frame: 3-4 Weeks	Unit Title: Human Body Systems Summative	Course Name: Integrated Science 2
Stage 1 - Desired Results		
<p>Established Goals</p> <p>MS-LS1-3 Use argument supported by evidence for how the body is a system of interacting subsystems composed of groups of cells. [Clarification Statement: Emphasis is on the conceptual understanding that cells form tissues and tissues form organs specialized for particular body functions.</p> <p>MS-LS1-8 Gather and synthesize information that sensory receptors respond to stimuli by sending messages to the brain for immediate behavior or storage as memories.</p> <p>MS-ETS1-1 Define the criteria and constraints of a design problem with sufficient precision to ensure a successful solution, taking into</p>	Transfer	
	<p><i>Students will be able to independently use their learning to</i></p> <p><i>“Make new stuff from old stuff”- Chemistry</i></p> <ul style="list-style-type: none"> • <i>Envision multiple uses of common items</i> <p><i>“Why do some things stop while others keep going”-Physical Science</i></p> <ul style="list-style-type: none"> • <i>Applying concepts of friction, acceleration</i> <p><i>“What is going on inside of me”-Life Science</i></p>	
	Meaning	
<p>UNDERSTANDINGS</p> <p><i>Students will understand that....</i></p> <p><i>Potential and Kinetic energy are two forms of energy that can be converted into one another.</i></p> <p><i>The human body is organized into organ systems that enable it to maintain homeostasis.</i></p> <p><i>In humans organ systems interact with one another enabling humans to function properly.</i></p> <p><i>The organ systems work together to provide function and survival.</i></p>	<p>ESSENTIAL QUESTIONS</p> <p><i>Students will keep considering</i></p> <p><i>What determines how fast or high an object will go?</i></p> <p><i>Why do some things stop?</i></p> <p><i>Why do some things keep going?</i></p> <p><i>What is inside me?</i></p> <p><i>What is an organ system?</i></p> <p><i>How are the interactions of the various body systems coordinated?</i></p> <p><i>What are the advantages/disadvantages of models?</i></p>	

<p>account relevant scientific principles and potential impacts on people and the natural environment that may limit possible solutions.</p>		
	Acquisition	
	<p><i>Students will know...</i></p> <p><i>The organ systems and their functions</i></p> <p><i>How the organ systems interact</i></p>	<p>Students will be skilled at...</p> <p>Performing lab work:</p> <p>Predicting results</p> <p>Performing observations</p> <p>Making adjustments for desired outcome</p> <p>Comparing and contrasting organ system functions</p> <p>Creating models</p>