The UbD Template, Version 2.0

<table>
<tr><td>Time Frame: 3-4 Weeks</td><td>Unit Title: Human Body Systems Summative</td><td>Course Name: Integrated Science 2</td></tr>
<tr><td colspan="3">Stage 1 - Desired Results</td></tr>
<tr><td rowspan="4">Established Goals

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.

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.

MS-ETS1-1 Define the criteria and constraints of a design problem with sufficient precision to ensure a successful solution, taking into</td><td colspan="2">Transfer</td></tr>
<tr><td colspan="2">Students will be able to independently use their learning to
“Make new stuff from old stuff”- Chemistry
● Envision multiple uses of common items
“Why do some things stop while others keep going”-Physical Science
● Applying concepts of friction, acceleration
“What is going on inside of me”-Life Science</td></tr>
<tr><td colspan="2">Meaning</td></tr>
<tr><td>UNDERSTANDINGS
Students will understand that….
Potential and Kinetic energy are two forms of energy that can be converted into one another.

The human body is organized into organ systems that enable it to maintain homeostasis.

In humans organ systems interact with one another enabling humans to function properly.

The organ systems work together to provide function and survival.</td><td>ESSENTIAL QUESTIONS
Students will keep considering

What determines how fast or high an object will go?
Why do some things stop?
Why do some things keep going?

What is inside me?
What is an organ system?
How are the interactions of the various body systems coordinated?

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