Body Systems in Motion

Reviewed 2022

Format: Wonder Workshop
Grades: 4th – 8th
Length: 45 minutes

General Description: Groups work together to learn about human body systems, complete physical challenges, and unlock body system components to activate their avatar, Simone.

Big Idea: Human body systems carry out important functions that help us survive and thrive.

Key Concepts:
• Humans have different body systems that carry out specific functions which help us stay alive.
• One function of the circulatory system is to carry carbon dioxide (CO₂) to the lungs and oxygen (O₂) to the cells for cellular respiration.
• One function of the musculoskeletal system is to make your body move.
• One function of the nervous system is to detect and help the body respond to external stimuli.

Colorado Academic Standards:

• SC.4.2.1 Organisms have both internal and external structures that serve various functions.
• SC.MS.2.1 All living things are made up of cells, which is the smallest unit that can be said to be alive.
• SC.MS.2.4 Each sense receptor responds to different inputs (electromagnetic, mechanical, chemical), transmitting them as signals that travel along nerve cells to the brain.

Next Generation Science Standards

• 4-LS1-1 Construct an argument that plants and animals have internal and external structures that function to support survival, growth, behavior, and reproduction.
• MS-LS1-3 Use argument supported by evidence for how the body is a system of interacting subsystems composed of groups of cells.