



7th Grade Science Unit 4 Overview: Bodily Functions

Unit Outcomes At the end of this unit, your student should be able to:	Key Vocabulary Terms to deepen the student's understanding
<ul style="list-style-type: none"> ✓ Determine how the human body systems work together to maintain life. ✓ Describe specific jobs for each major body system. 	<ul style="list-style-type: none"> ✓ Digestive System ✓ Respiratory System ✓ Reproductive System ✓ Circulatory System ✓ Excretory System ✓ Homeostasis
Key Standards Addressed Connections to Common Core/NC Essential Standards	Where This Unit Fits Connections to prior and future learning
<p>7.L.1.4 – Summarize the general functions of the major systems of the human body (digestive, respiration, reproduction, circulation, and excretion) and ways that these systems interact with each other to sustain life.</p>	<p>Coming into this unit, students should have a strong foundation in:</p> <ul style="list-style-type: none"> ✓ Comparing the different functions of the skeletal and muscular system. ✓ Comparing the major systems of the human body (digestive, respiratory, circulatory, muscular, skeletal, cardiovascular) as it relates to their functions necessary for life. <p>This unit builds to the following future skills and concepts:</p> <ul style="list-style-type: none"> ✓ Explain how homeostasis is maintained in a cell and within an organism in various environments (including: temperature and pH). ✓ Explain ways that organisms use released energy for maintaining homeostasis (active transport).
Additional Resources Materials to support understanding and enrichment	“Learning Checks” Questions Parents Can Use to Assess Understanding
<ul style="list-style-type: none"> ✓ ck12.org (Digestive System) ✓ ck12.org (Circulatory System) ✓ ck12.org (Excretory System) ✓ ck12.org (Respiratory System) ✓ ck12.org (Homeostasis) ✓ Study Jams ✓ Khan Academy (Circulatory System) 	<ul style="list-style-type: none"> ✓ What is the function of each body system? ✓ How do the body systems work together to keep the body functioning properly? ✓ How is homeostasis maintained within the body?