

LINCOLN PUBLIC SCHOOLS
Science Learning Expectations: Grade 8

Strand:

Life Science

**Mass Standard
LS6**

Identify the general functions of the major systems of the human body (digestion, respiration, reproduction, circulation, excretion, protection from disease, and movement, control and coordination) and describe ways the systems interact with each other.

See also: LS5
and Inquiry
Standards

Big Ideas

- Humans like other vertebrates are made up of systems and subsystems that work together to carry out the essential functions of life.

Key Outcomes

- Students will demonstrate an understanding that **humans and other vertebrates are made up of cells, tissues, organs, and organ systems that work together to carry out the essential functions of life** by creating an interactive display.
- Students will demonstrate an understanding of **homeostasis in the human body** by explaining how the interactions of the body systems create and maintain this delicate balance.

Essential Knowledge and Skills

Students will know and/or be able to

- Describe how cells in the human body are organized to perform vital life processes.
- Identify some basic chemical activities vital to life such as cellular respiration and digestion
- Describe characteristics and functions of the major organ systems
- Explain how the human body interacts with the environment