

7th Grade Life Science

Units of Study:

Nervous System, Circulatory System, Respiratory System, Chemistry, Development and Genetics, Digestive System, Cell Biology

Course Standards: Students will be able to:

- Demonstrate the 4'C standards (creativity, communication, critical thinking, and collaboration)
- Use the scientific method, engineering practices, and inquiry based learning to write lab reports
- Use evidence to support that all living things are made of cells
- Describe the major parts of the cell and their functions
- Describe how the body is a system made up of subsystems that are made of cells
- Explain how environmental and genetic factors affect growth of organisms
- Develop a model to describe how food is rearranged through chemical reactions forming new molecules that support growth and/or release energy as this matter moves through an organism.
- Describe how receptors send messages to the brain to be stored or to be acted on immediately
- Describe why asexual reproduction results in offspring with identical genetic information and sexual reproduction results in offspring with genetic variation.
- Describe how food is rearranged through chemical reactions forming new molecules that support growth and/or release energy as this matter moves through an organism