

Second Grade Science Objectives

Life Cycles - *The student will be able to:*

- 2.1.1 investigate, describe, and record the life cycle of a butterfly.
- 2.1.2 identify the major body parts of a caterpillar and butterfly.
- 2.1.3 compare the life cycle of a butterfly to other living things.
- 2.1.4 observed and describe the life cycle of a plant.
- 2.1.5 identify and label the parts of a seed and plant.
- 2.1.6 describe ways that a plant can reproduce.

Matter - *The student will be able to:*

- 2.2.1 describe the properties of a solid.
- 2.2.2 describe the properties of a liquid.
- 2.2.3 differentiate between solids and liquids.
- 2.2.4 observe and compare how solids and liquids react when mixed.
- 2.2.5 describe the properties of a gas.
- 2.2.6 observe that matter can change from a solid to a liquid to a gas by heating and from a gas to liquid to a solid by cooling.

Weather - *The student will be able to:*

- 2.3.1 identify and describe a variety of weather conditions.
- 2.3.2 understand how to measure weather conditions (temperature, wind direction, and precipitation).
- 2.3.3 identify the three main types of clouds (cumulus, cirrus, and stratus).
- 2.3.4 measure, record, and explain the changes in temperature, wind direction, precipitation, and types of clouds over a five days.
- 2.3.5 identify the causes of thunder and lightning and ways to stay safe around them.
- 2.3.6 identify the causes of tornadoes and safety measures during them.

Recycling - *The student will be able to:*

- 2.4.1 identify garbage as natural or manufactured.
- 2.4.2 describe how garbage impacts the environment.
- 2.4.3 describe ways to reduce, reuse, and recycle.
- 2.4.4 apply the scientific process to a reducing, reusing, or recycling issue at school.