

# 2<sup>nd</sup> Grade



## **Structure and Properties of Matter**

**2-PS1-1** Plan and conduct an investigation to describe and classify different kinds of materials by their observable properties.

**2-PS1-2** Analyze data obtained from testing different materials to determine materials have the properties that are best suited for an intended purpose.

**2-PS1-3** Make observations to construct an evidence-based account of how an object made of a small set of pieces can be disassembled and made into a new object.

**2-PS1-4** Construct an argument with evidence that some changes caused by heating or cooling can be reversed and some cannot.

## **Interdependent Relationships in Ecosystems**

**2-LS2-1** Plan and conduct an investigation to determine if plants need sunlight and water to grow.

**2-LS2-2** Develop a simple model that mimics the function of an animal in dispersing seeds or pollinating plants.

**2-LS4-1** Make observations of plants and animals to compare the diversity of life in different habitats.

## **Earth's Systems: Processes that Shape the Earth**

**2-ESS1-1** Use information from several sources to provide evidence that Earth events can occur quickly or slowly.

**2-ESS2-1** Compare multiple solutions designed to slow or prevent wind or water from changing the shape of the land.

**2-ESS2-2** Develop a model to represent the shapes and kinds of land and bodies of water in an area.

**2-ESS2-3** Obtain information to identify where water is found on Earth and that it can be solid or liquid.

## **Engineering Design**

**K-2-ETS1-1** Ask questions, make observations, and gather information about a situation people want to change to define a simple problem that can be solved through the development of a new or improved object or tool.

**K-2-ETS1-2** Develop a simple sketch, drawing, or physical model to illustrate how the shape of an object helps it functions as needed to solve a given problem.

**K-2-ETS1-3** Analyze data from tests of two objects designed to solve the same problem to compare the strengths and weaknesses of how each performs.

\*Refer to evidence statements in [www.nextscience.org](http://www.nextscience.org)

Adapted from Achieve. (2016, January 28), from <http://www.nextgenscience.org>