

Grade 2

Adopted 2016

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-ETS1-1**

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

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. **K-2-ETS1-3**

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-PS1-1**

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

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-PS1-3**

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

Interdependent Relationships in Ecosystems

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

2-LS2-2. Develop a simple model that illustrates how plants and animals depend on each other for survival. **2-LS2-2**

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

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-ESS1-1**

2-ESS2-1. Compare multiple solutions designed to slow or prevent wind or water from changing the shape of the land. [2-ESS2-1](#)

2-ESS2-2. Develop a model to represent the shapes and kinds of land and bodies of water in an area. [2-ESS2-2](#)

2-ESS2-3. Obtain information to identify where water is found on Earth and that it can be solid or liquid. [2-ESS2-3](#)