New York Science

# Grade 2

Adopted 2016

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| **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 |
| **Ea Pr the** | **SS1-1.** | **Use information from several sources to provide evidence that Earth events can occur quickly or slowly.** 2-ESS1-1 |

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**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