California Science

Grade 2

Adopted 2013

Engineering Design K-2-ETS1	**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
Ecosystems: Interactions, Energy, and Dynamics 2-LS2	**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 mimics the function of an animal in dispersing seeds or pollinating plants.** 2-LS2-2
Biological Evolution: Unity and Diversity 2-LS4	**2-LS4-1.**	**Make observations of plants and animals to compare the diversity of life in different habitats.** 2-LS4-1
Earth's Place in the Universe 2-ESS1	**2-ESS1-1.**	**Use information from several sources to provide evidence that Earth events can occur quickly or slowly.** 2-ESS1-1
Earth's Systems 2-ESS2	**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
Ma Int	**S1-1.**	**Plan and conduct an investigation to describe and classify different kinds of materials by their observable properties.** 2-PS1-1

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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