Arkansas Science

Grade 2

Adopted 2016

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 mimics the function of an animal in dispersing seeds or pollinating plants.** 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

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Engineering, Technology, and Applications of Science

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.** 2-ETS1-1

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.** 2-ETS1-2

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.** 2-ETS1-3