Indiana Science: Grades K-8

Grade 2

Matter and Its Interactions	1	Plan and conduct an investigation to describe and classify different kinds of materials by their observable properties. 2-PS1-1
	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
	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
	4	Construct an argument with evidence that some changes caused by heating or cooling can be reversed and some cannot. 2-PS1-4
Ecosystems: Interactions, Energy, and Dynamics	1	Plan and conduct an investigation to determine if plants need sunlight and water to grow. 2-LS2-1
	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	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	1	Use information from several sources to provide evidence that Earth events can occur quickly or slowly. 2-ESS1-1
Earth's Systems	1	Compare multiple solutions designed to slow or prevent wind or water from changing the shape of the land. 2-ESS2-1
	2	Develop a model to represent the shapes and kinds of land and bodies of water in an area. 2-ESS2-2
	3	Obtain information to identify where water is found on Earth and that it can be solid or liquid. 2-ESS2-3
Engineering Design	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

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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

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