Iowa Science

Second Grade

Plan and conduct an investigation to describe and classify different kinds of materials by their observable properties. 2-PS1-1	**1 Plan and conduct an investigation to describe and classify different kinds of materials by their observable properties.** 2-PS1-1
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 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
Make observations to construct an evidencebased account of how an object made of a small set of pieces can be disassembled and made into a new object. 2-PS1-3	**3 Make observations to construct an evidencebased account of how an object made of a small set of pieces can be disassembled and made into a new object.** 2-PS1-3
Construct an argument with evidence that some changes caused by heating or cooling can be reversed and some cannot. 2-PS1-4	**4 Construct an argument with evidence that some changes caused by heating or cooling can be reversed and some cannot.** 2-PS1-4
Plan and conduct an investigation to determine if plants need sunlight and water to grow. 2-LS2-1	**5 Plan and conduct an investigation to determine if plants need sunlight and water to grow.** 2-LS2-1
De tha	**evelop a simple model that mimics the function of an animal in dispersing seeds or pollinating plants.** 2-LS2-2

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of an animal in dispersing seeds or pollinating plants. 2-LS2-2	
Make observations of plants and animals to compare the diversity of life in different habitats. 2-LS4-1	7 Make observations of plants and animals to compare the diversity of life in different habitats. 2-LS4-1
Use information from several sources to provide evidence that Earth events can occur quickly or slowly. 2-ESS1-1	8 Use information from several sources to provide evidence that Earth events can occur quickly or slowly. 2-ESS1-1
Compare multiple solutions designed to slow or prevent wind or water from changing the shape of the land. 2-ESS2-1	9 Compare multiple solutions designed to slow or prevent wind or water from changing the shape of the land. 2-ESS2-1
Develop a model to represent the shapes and kinds of land and bodies of water in an area. 2-ESS2-2	10 Develop a model to represent the shapes and kinds of land and bodies of water in an area. 2-ESS2-2
Obtain information to identify where water is found on Earth and that it can be solid or liquid. 2-ESS2-3	11 Obtain information to identify where water is found on Earth and that it can be solid or liquid. 2-ESS2-3
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	12 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

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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	**13** **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
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	**14** **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