

# 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

**Develop a simple model that mimics the function**

**6 Develop a simple model that mimics the function of an animal in dispersing seeds or pollinating plants.** 2-LS2-2

of an animal in dispersing seeds or pollinating plants. 2-

LS2-2

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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

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Use information from several sources to provide evidence that Earth events can occur quickly or slowly. 2-

ESS1-1

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**8** Use information from several sources to provide evidence that Earth events can occur quickly or slowly. 2-ESS1-1

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Compare multiple solutions designed to slow or prevent wind or water from changing the shape of the land. 2-

ESS2-1

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**9** Compare multiple solutions designed to slow or prevent wind or water from changing the shape of the land. 2-ESS2-1

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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

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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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**11** 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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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

**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

**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**

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**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**