

# Kindergarten

Plan and conduct an investigation to compare the effects of different strengths or different directions of pushes and pulls on the motion of an object. **K-**

**PS2-1**

**1** Plan and conduct an investigation to compare the effects of different strengths or different directions of pushes and pulls on the motion of an object. **K-PS2-1**

Analyze data to determine if a design solution works as intended to change the speed or direction of an object with a push or pull. **K-PS2-2**

**2** Analyze data to determine if a design solution works as intended to change the speed or direction of an object with a push or pull. **K-PS2-2**

Make observations to determine the effect of sunlight on Earth's surface. **K-PS3-1**

**3** Make observations to determine the effect of sunlight on Earth's surface. **K-PS3-1**

Use tools and materials provided to design and build a structure that will reduce the warming effect of sunlight on an area. **K-PS3-2**

**4** Use tools and materials provided to design and build a structure that will reduce the warming effect of sunlight on an area. **K-PS3-2**

Use observations to describe patterns of what plants and animals (including humans) need to survive. **K-LS1-1**

**5** Use observations to describe patterns of what plants and animals (including humans) need to survive. **K-LS1-1**

Use and share observations of local weather conditions to describe patterns over time. **K-ESS2-1**

**6** Use and share observations of local weather conditions to describe patterns over time. **K-ESS2-1**

**Construct an argument supported by evidence for how plants and animals (including humans) can change the environment to meet their needs.** K-ESS2-2

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**7 Construct an argument supported by evidence for how plants and animals (including humans) can change the environment to meet their needs.** K-ESS2-2

**Use a model to represent the relationship between the needs of different plants and animals (including humans) and the places they live.** K-ESS3-1

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**8 Use a model to represent the relationship between the needs of different plants and animals (including humans) and the places they live.** K-ESS3-1

**Ask questions to obtain information about the purpose of weather forecasting to prepare for, and respond to, severe weather.** K-ESS3-2

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**9 Ask questions to obtain information about the purpose of weather forecasting to prepare for, and respond to, severe weather.** K-ESS3-2

**Communicate solutions that will improve sustainability of the land, water, air, and/or other living things in the local environment.** K-ESS3-3

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**10 Communicate solutions that will improve sustainability of the land, water, air, and/or other living things in the local environment.** K-ESS3-3

**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 tool.** K-ETS1-1

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**11 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-ETS1-1

**Develop a simple sketch, drawing, or physical model to illustrate how the shape of an object**

**12 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-ETS1-2

helps it function as needed to solve a given problem. K-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. K-ETS1-3

**13** Analyze data from tests of two objects designed to solve the same problem to compare the strengths and weaknesses of how each performs. K-ETS1-3