

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

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

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

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

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

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

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