

# Grade K

Adopted 2016

## Forces and Interactions: Pushes and Pulls

**K-PS2-1.** 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](#)

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

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## Weather and Climate

**K-PS3-1.** Make observations to determine the effect of sunlight on Earth's surface. [K-PS3-1](#)

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

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**K-ESS2-1.** Use and share observations of local weather conditions to describe patterns over time. [K-ESS2-1](#)

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**K-ESS3-2.** 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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## Interdependent Relationships in Ecosystems: Animals, Plants, and Their Environment

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

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**K-ESS2-2.** 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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**K-ESS3-1.** Use a model to represent the relationship between the needs of different plants or animals (including humans) and the places they live. [K-ESS3-1](#)

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**K-ESS3-3.** Communicate solutions that will reduce the impact of humans on the land, water, air, and/or other living things in the local environment. [K-ESS3-3](#)

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## Engineering, Technology, and Applications of Science

**K-ETS1-1.** 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-ETS1-1](#)

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**K-ETS1-2.** 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-ETS1-2

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