

Grade K

Adopted 2019

Motion and Stability: Forces and Interactions

K-PS2-1. 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](#)

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](#)

Energy

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

K-PS3-2. Use tools and materials provided to design and build a structure that will reduce the warming effect of sunlight on Earth's surface. [K-PS3-2](#)

From Molecules to Organisms: Structures and Processes

K-LS1-1. Describe patterns, through observation, of what plants and animals (including humans) need to survive. [K-LS1-1](#)

Earth's Systems

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

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

Earth and Human Activity

K-ESS3-1. Represent the relationship between the needs of different plants and animals (including humans) and the places they live using a model. [K-ESS3-1](#)

K-ESS3-2. Ask questions to obtain information about the purpose of weather forecasting to prepare for and respond to weather. [K-ESS3-2](#)

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](#)

Engineering & Technology

K-2-ET1-1. Ask questions, make observations, and gather information to define a simple problem (a situation people want to change) that can be solved through the development of a new or improved object or tool. [K-2-ET1-1](#)

K-2-ET1-2. 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-2-ET1-2

K-2-ET1-3. Analyze data from tests of two objects designed to solve the same problem to compare the strengths and weaknesses of how each performs. K-2-ET1-3