

Grade 4

Adopted 2018

Energy

SES-4-PS3-1. Demonstrate how the speed of an object is related to the energy of the object. [SES-4-PS3-1](#)

SES-4-PS3-2. Make observations to describe that heat energy can be transferred from place to place. [SES-4-PS3-2](#)

SES-4-PS3-3. Demonstrate how a change in energy occurs when objects collide. [SES-4-PS3-3](#)

SES-4-PS3-4. Identify devices that use different types of energy. [SES-4-PS3-4](#)

Waves and Their Applications in Technologies for Information Transfer

SES-4-PS4-1. Use a model to show what a wave looks like. [SES-4-PS4-1](#)

SES-4-PS4-2. Use a model to demonstrate that light reflects from some objects. [SES-4-PS4-2](#)

SES-4-PS4-3. Use a method to send or receive information. [SES-4-PS4-3](#)

From Molecules to Organisms: Structures & Processes

SES-4-LS1-1. Use a model to demonstrate that plants and animals have structures that support their survival. [SES-4-LS1-1](#)

SES-4-LS1-2. Use a model to describe that animals respond to different types of stimuli. [SES-4-LS1-2](#)

Earth's Place in the Universe

SES-4-ESS1-1. Describe that landscapes can change. [SES-4-ESS1-1](#)

Earth's Systems

SES-4-ESS2-1. Use a model to describe an erosion event. [SES-4-ESS2-1](#)

SES-4-ESS2-2. Recognize different kinds of information, from maps, that describe Earth's features. [SES-4-ESS2-2](#)

Earth and Human Activity

SES-4-ESS3-1. Describe different types of energy resources. [SES-4-ESS3-1](#)

SES-4-ESS3-2. Recognize the impacts of natural Earth processes on humans. [SES-4-ESS3-2](#)

**Engineering,
Technology, &
Applications of Science**

SES-3-5-ETS1-1. Given a solution to a simple design problem, students are able to identify materials needed to solve a simple design problem, provided a variety of materials. [SES-3-5-ETS1-1](#)

SES-3-5-ETS1-2. Generate more than one possible solution to a problem. [SES-3-5-ETS1-2](#)

SES-3-5-ETS1-3. Determine whether or not an engineering design product meets criteria, and communicate failure point(s). [SES-3-5-ETS1-3](#)