

Grade 5

Adopted 2017

Physical Science

Matter and its Interactions

- 5-PS1-1. Develop a model to describe that matter is made of particles too small to be seen. 5-PS1-1
- 5-PS1-2. Measure and graph quantities to provide evidence that regardless of the type of change that occurs when heating, cooling, or mixing substances, the total amount of matter is conserved. 5-PS1-2
- 5-PS1-3. Make observations and measurements to identify materials based on their properties. 5-PS1-3
- 5-PS1-4. Conduct an investigation to determine whether the mixing of two or more substances results in new substances. 5-PS1-4

Motion and Stability: Forces and Interactions

- 5-PS2-1. Support an argument that the gravitational force exerted by the Earth is directed down. 5-PS2-1

Matter and Energy In Organisms and Ecosystems

- 5-PS3-1. Use models to describe that energy in animals' food (used for body repair, growth, motion, and to maintain body warmth) was once energy from the sun. 5-PS3-1

Life Science

From Molecules to Organisms: Structures and Processes

- 5-LS1-1. Ask questions about how air and water affect the growth of plants. 5-LS1-1

Ecosystems

- 5-LS2-1. Develop a model to describe the movement of matter among plants, animals, decomposers, and the environment. 5-LS2-1

Earth and Space Science

Earth's Place in the Universe

- 5-ESS1-1. Support an argument that differences in the apparent brightness of the sun compared to other stars is due to their relative distances from the Earth. 5-ESS1-1
- 5-ESS1-2. Represent data in graphical displays to reveal patterns of daily changes in length and direction of shadows, day and night, and the seasonal appearance of some stars in the night sky. 5-ESS1-2

Earth's Systems

- 5-ESS2-1.** Develop a model using an example to describe ways the geosphere, biosphere, hydrosphere, and/or atmosphere interact. **5-ESS2-1**
- 5-ESS2-2.** Describe and graph the amounts and percentages of water and fresh water in various reservoirs to provide evidence about the distribution of water on Earth. **5-ESS2-2**

Earth and Human Activity

- 5-ESS3-1.** Generate and compare multiple solutions about ways individual communities can use science to protect the Earth's resources and environment. **5-ESS3-1**