

Physical Science

Matter and Its Interactions

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

Motion and Stability: Forces and Interactions

- 5-PS2-1 I can support an argument that the gravitational force exerted by Earth on objects is directed down.

Energy

- 5-PS3-1 I can 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.

Life Science

From Molecules to Organisms: Structures and Processes

- 5-LS1-1 I can support an argument that plants get the materials they need for growth chiefly from air and water.

Ecosystems: Interactions, Energy, and Dynamics

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

Earth and Space Science

Earth's Place in the Universe

- 5-ESS1-1 I can 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-ESS1-2 I can 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.

Earth's Systems

- 5-ESS2-1 I can develop a model using an example to describe ways to geosphere, biosphere, hydrosphere, and or/atmosphere interact.
- 5-ESS2-2 I can 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.

Earth and Human Activity

- 5-ESS3-1 I can obtain and combine information about ways individual communities use science ideas to protect the Earth's resources and environment.

Engineering, Technology and Application Science

Engineering Design

- 3-5-ETS1-1 I can define a simple design problem reflecting a need or a want that includes specified criteria for success and constraints on materials, time, or cost.

- 3-5-ETS1-2 I can generate and compare multiple possible solutions to a problem based on how well each is likely to meet the criteria and constraints of the problem.
- 3-5-ETS1-3 I can plan and carry out fair tests in which variables are controlled and failure points are considered to identify aspects of a model or prototype that can be improved.