



CCSD93
Grade 5 - Science

Matter and Energy in Organisms and Ecosystems	Topic 1: Basic Needs of Plants 5-LS1-1: Support an argument that plants get the materials they need for growth chiefly from air and water.
	Topic 2: Parts of and Energy Flow in an Ecosystem 5-LS2-1: Develop a model to describe the movement of matter among plants, animals, decomposers, and the environment. 5-PS3-1: Use models to describe that the energy in animals' food (used for body repair, growth, motion, and to maintain body warmth) was once energy from the sun.
Earth's Systems	Topic 1: The Changing Earth 5-ESS2-1: Develop a model using an example to describe ways the geosphere, biosphere, hydrosphere, and/or atmosphere interact. 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.
	Topic 2: Protecting the Earth 5-ESS3-1: Obtain and combine information about ways individual communities use science ideas to protect the Earth's resources and environment.
Space Systems: Stars and the Solar System	Topic 1: Patterns in the Sky 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.
	Topic 2: Our Star the Sun 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.
	Topic 3: Earth's Force Gravity 5-PS2-1: Support an argument that the gravitational force exerted by Earth on objects is down.

Structure and Properties of Matter	Topic 1: Observations and Modeling Matter 5-PS1-1: Develop a model to describe that matter is made of particles too small to be seen. 5-PS1-3: Make observations and measurements to identify materials based on their properties.
	Topic 2: Changing Matter 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 weight of matter is conserved. 5-PS1-4: Conduct an investigation to determine whether the mixing of two or more substances results in new substances.