

Grade 5

Adopted 2018

Physical Sciences

- 1. Analyze and interpret data to explain that matter of any type can be subdivided into particles too small to see and, in a closed system, if properties change or chemical reactions occur, the amount of matter stays the same.** 5.P1U1.1

- 2. Plan and carry out investigations to demonstrate that some substances combine to form new substances with different properties and others can be mixed without taking on new properties.** 5.P1U1.2

- 3. Construct an explanation using evidence to demonstrate that objects can affect other objects even when they are not touching.** 5.P2U1.3

- 4. Obtain, analyze, and communicate evidence of the effects that balanced and unbalanced forces have on the motion of objects.** 5.P3U1.4

- 5. Define problems and design solutions pertaining to force and motion.** 5.P3U2.5

- 6. Analyze and interpret data to determine how and where energy is transferred when objects move.** 5.P4U1.6

Earth and Space Sciences

- 7. Develop, revise, and use models based on evidence to construct explanations about the movement of the Earth and Moon within our solar system.** 5.E2U1.7

- 8. Obtain, analyze, and communicate evidence to support an explanation that the gravitational force of Earth on objects is directed toward the planet's center.** 5.E2U1.8

Life Sciences

- 9. Obtain, evaluate, and communicate information about patterns between the offspring of plants, and the offspring of animals (including humans); construct an explanation of how genetic information is passed from one generation to the next.** 5.L3U1.9

- 10. Construct an explanation based on evidence that the changes in an environment can affect the development of the traits in a population of organisms.** 5.L3U1.10

- 11. Obtain, evaluate, and communicate evidence about how natural and human-caused changes to habitats or climate can impact populations.** 5.L4U3.11

- 12. Construct an argument based on evidence that inherited characteristics can be affected by behavior and/or environmental conditions.** 5.L4U3.12