Oklahoma Science

Grade 3

Adopted 2020

Motion and Stability: Forces and Interactions	1. **Plan and conduct investigations on the effects of balanced and unbalanced forces on the motion of an object.** 3.PS2.1
	2. **Make observations and/or measurements of an object's motion to provide evidence that a pattern can be used to predict future motion.** 3.PS2.2
	3. **Ask questions to determine cause and effect relationships of electric or magnetic interactions between two objects not in contact with each other.** 3.PS2.3
	4. **Define a simple design problem that can be solved by applying scientific ideas about magnets.** 3.PS2.4
From Molecules to Organisms: Structure and Function	1. **Develop and use models to describe that organisms have unique and diverse life cycles but all have a common pattern of birth, growth, reproduction, and death.** 3.LS1.1
Heredity: Inheritance and Variation of Traits	1. **Construct an argument that some animals form groups that help members survive.** 3.LS2.1
	1. **Analyze and interpret data to provide evidence that plants and animals have traits inherited from parents and that variation of these traits exists in a group of similar organisms.** 3.LS3.1
	2. **Use evidence to support the explanation that traits can be influenced by the environment.** 3.LS3.2
Biological Unity and Diversity	1. **Analyze and interpret data from fossils to provide evidence of the organisms and the environments in which they lived long ago.** 3.LS4.1
	2. **Use evidence to construct an explanation for how the variations in characteristics among individuals of the same species may provide advantages in surviving and reproducing.** 3.LS4.2
	3. **Construct an argument with evidence that in a particular habitat some organisms can survive well, some survive less well, and some cannot survive at all.** 3.LS4.3

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	4. **Make a claim about the merit of a solution to a problem caused when the environment changes and the types of plants and animals that live there may change.** 3.LS4.4
Earth's Systems	1. **Represent data in tables and graphical displays to describe typical weather conditions expected during a particular season.** 3.ESS2.1
	2. **Obtain and combine information to describe climates in different regions of the world.** 3.ESS2.2
Earth and Human Activity	1. **Make a claim about the merit of a design solution that reduces the impacts of a weather-related hazard.** 3.ESS3.1