Louisiana Science

Grade 3

Adopted 2017

Physical Science

Motion and Stability: Forces and Interactions

3-PS2-1. Plan and conduct an investigation to provide evidence of the effects of balanced and unbalanced forces on the motion of an object. 3-PS2-1

3-PS2-2. 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-PS2-3. 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

3-PS2-4. Define a simple design problem that can be solved by applying scientific ideas about magnets. 3-PS2-4

Life Science

From Molecules to Organisms: Structures and Processes

3-LS1-1. Develop models to describe that organisms have unique and diverse life cycles but all have in common birth, growth, reproduction, and death. 3-LS1-1

Ecosystems: Interactions, Energy, and Dynamics

3-LS2-1. Construct and support an argument that some animals form groups that help members survive. 3-LS2-1

Heredity: Inheritance and Variation of Traits

3-LS3-1. Analyze and interpret data to provide evidence that plants and animals have traits inherited from their parents and that variation of these traits exists in a group of similar organisms. 3-LS3-1

3-LS3-2. Use evidence to support the explanation that traits can be influenced by the environment. 3-LS3-2

Biological Evolution: Unity and Diversity

3-LS4-1. Analyze and interpret data from fossils to provide evidence of the organisms and the environments in which they lived long ago. 3-LS4-1

3-LS4-2. Use evidence to construct an explanation for how the variations in characteristics among individuals of the same species may provide advantages in surviving, finding mates, and reproducing. 3-LS4-2

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3-LS4-3. Construct and support 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

3-LS4-4. 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 and Space Science

Earth's Systems

3-ESS2-1. Represent data in tables and graphical displays to describe typical weather conditions expected during a particular season. 3-ESS2-1

3-ESS2-2. Obtain and combine information to describe climates in different regions around the world. 3-ESS2-2

Earth and Human Activity

3-ESS3-1. Make a claim about the merit of a design solution that reduces the impact of a weather-related hazard. 3-ESS3-1