

Grade 3

Motion and Stability: Forces and Interactions **PS2**

- 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 **LS1**

- 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**

Ecosystems: Interactions, Energy, and Dynamics **LS2**

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

Heredity: Inheritance and Variation of Traits **LS3**

- 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 **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**
- 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 less well, and some cannot survive at all.** **3.LS4.3**

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 ESS2

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 ESS3

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