

Grade 3

Adopted 2019

Motion and Stability: Forces and Interactions

3-PS2-1. Plan and conduct an investigation to prove the effects of balanced and unbalanced forces on the motion of an object. [3-PS2-1](#)

3-PS2-2. Make observations and metric measurements of an object's motion to prove 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 static electricity 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](#)

From Molecules to Organisms: Structures and Processes

3-LS1-1. Develop models to describe that organisms have unique and diverse life cycles but all experience birth, growth, reproduction, and death. [3-LS1-1](#)

Earth's Systems

3-ESS2-1. Represent data in tables and graphical displays to describe and predict typical weather conditions expected during a particular season. [3-ESS2-1](#)

3-ESS2-2. Obtain and combine information to describe climates in different regions of the world. [3-ESS2-2](#)

Earth and Human Activity

3-ESS3-1. Evaluate the feasibility of a design solution that reduces the impacts of a weather-related hazard. [3-ESS3-1](#)

Engineering & Technology

3-ET1-1. Define a simple design problem reflecting a need or a want that includes specified criteria for success and constraints on materials, time, or cost. [3-ET1-1](#)

3-ET1-2. Generate and compare multiple possible solutions to a problem based on how well each is likely to meet the criteria and constraints of the problem. [3-ET1-2](#)

3-ET1-3. Plan and carry out fair tests in which variables are controlled and failure points are considered to identify aspects of a model or prototype that can be improved. [3-ET1-3](#)

**Heredity: Inheritance
and Variation of Traits**

3-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

3-LS3-2. Use evidence to support the explanation that the environment can influence the expression of traits. 3-LS3-2

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

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

**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

3-LS4-3. 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