

West Northfield School District #31 Science Curriculum

Grade Three

Physical, Life, and Earth Space Sciences

3-PS2 Motion and Stability: Forces and Interactions

1. [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.
2. [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. [3-PS2-3](#) Ask questions to determine cause and effect relationships of electrical or magnetic interactions between two objects not in contact with each other.
4. [3-PS2-4](#) Define a simple design problem that can be solved by applying scientific ideas about magnets.

3-LS1 From Molecules to Organisms: Structure and Processes

5. [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-LS2 Ecosystems: Interactions, Energy, and Dynamics

6. [3-LS2-1](#) Construct an argument that some animals form groups that help members survive.

3-LS3 Heredity: Inheritance and Variation of Traits

7. [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.
8. [3-LS3-2](#) Use evidence to support the explanation that traits can be influenced by the environment.

3-LS4 Biological Evolution: Unity and Diversity

9. [3-LS4-1](#) Analyze and interpret data from fossils to provide evidence of the organisms and environments in which they lived long ago.
10. [3-LS4-2](#) Use evidence to construct an explanation for how the variation in characteristics among individuals of the same species may provide advantages in surviving, finding mates, and reproducing.

11. [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.
12. [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-ESS2 Earth's Systems

13. [3-ESS2-1](#) Represent data in tables and graphical displays to describe typical weather conditions expected during a particular season.
14. [3-ESS2-2](#) Obtain and combine information to describe climates in different regions of the world.

3-ESS3 Earth and Human Activity

15. [3-ESS3-1](#) Make a claim about the merit of a design solution that reduces the impacts of a weather-related hazard.