Montana Science

Grade 3

Adopted 2016

Physical Science

1. Plan and conduct an investigation to provide evidence of the effects of balanced and unbalanced forces on the motion of an object. PS.3.1
2. Observe and record qualitative and quantitative data about an object's motion to provide evidence that a pattern can be used to predict future motion. PS.3.2
3. Ask questions to determine cause and effect relationships of electric or magnetic interactions between two objects not in contact with each other. PS.3.3
4. Define a simple design problem that can be solved by applying scientific ideas about magnets. PS.3.4

Life Science

1. 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. LS.3.1
2. Make a claim about the effectiveness of a solution to a problem caused when the environment changes and that the types of plants and animals that live there may change. LS.3.2
3. Construct a cause and effect argument communicating some animals, including humans, form groups and communities that help members survive. LS.3.3
4. Analyze and interpret data from fossils to provide evidence of the organisms and the environments in which they lived long ago. LS.3.4
5. Develop models to describe that organisms have unique and diverse life cycles but all have in common birth, growth, reproduction, and death. LS.3.5
6. 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. LS.3.6
7. Use evidence to support the explanation that traits can be influenced by the environment. LS.3.7
8. 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. LS.3.8

Earth and Space Science

1. **Obtain and represent data using tables and graphical displays to describe observed and predicted weather conditions during a particular season.** ESS.3.1

2. **Obtain and combine information to describe climate patterns in different regions of the world.** ESS.3.2

3. **Make a claim based on information about the merit of a design solution that reduces the impacts of a weather-related hazard.** ESS.3.3