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

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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