

## 3<sup>rd</sup> Grade Science

### Priority Standard #1: Weather and Climate Patterns

#### Students:

- a) analyze and interpret data to reveal patterns that indicate typical weather conditions expected during a particular season
- b) obtain and communicate information to describe climate patterns in different regions of the world
- c) design a solution that reduces the effects of a weather-related hazard

### Priority Standard #2: Effect of Traits on Survival

#### Students:

- a) develop and use models to describe changes that organisms go through during their life cycles
- b) analyze and interpret data to identify patterns of traits that plants and animals have inherited from parents
- c) construct an explanation that the environment can affect the traits of an organism
- d) construct an explanation showing how variations in traits and behaviors can affect the ability of an individual to survive and reproduce
- e) engage in argument from evidence that in a particular habitat (system) some organisms can survive well, some survive less well, and some cannot survive at all
- f) design a solution to a problem caused by a change in the environment that impacts the types of plants and animals living in that environment

### Priority Standard #3: Force Affects Motion

#### Students:

- a) plan and carry out investigations that provide evidence of the effects of balanced and unbalanced forces on the motion of an object
- b) analyze and interpret data from observations and measurements of an object's motion to identify patterns in its motion that can be used to predict future motion
- c) construct an explanation that the gravitational force exerted by Earth causes objects to be directed downward, toward the center of the spherical Earth
- d) ask questions to plan and carry out an investigation to determine cause and effect relationships of electric or magnetic interactions between two objects not in contact with each other
- e) design a solution to a problem in which a device functions by using scientific ideas about magnets