



**Standards- Based Education
Priority Standards**

Science 7

[State Standards Link](#)

- PS 1 *I can demonstrate Newton's First and Second Laws of Motion to show that the movement of an object depends on the mass of the object and the forces acting on it.
- PS 2 *I can apply Newton's Third Law to design a solution to a problem involving 2 colliding objects.
- PS 3 *I can determine the factors that affect the strength of electric and magnetic forces.
- PS 4 I can develop and use a scale model of the Earth's layers to demonstrate differences in density and chemical composition.
- PS 5 I can develop and use a model of the rock cycle to describe the relationship between igneous, sedimentary and metamorphic rock.
- PS 6 I can look at data to analyze and interpret the patterns between plate tectonics and Earth's characteristics.
- PS 7 I can use evidence to explain how geologic processes have changed Earth's surface over time.
- PS 8 I can use a model to describe the function of a cell in a living thing.
- PS 9 I can use evidence to explain levels of organization in a body system.
- PS 10 I can make and use a model to explain how different types of reproduction affect genetic variation.

- PS 11 I can use information about adaptations and structures to show success in reproduction.
- PS 12 I can explain that traits affect an organism's survival and reproduction.