

**Department: Science**

**Course: Science 6**

**Revised: October, 2016**

SCI06A11: Understand how scientists measure using the SI system.

SCI06A12: Understand how different models can be used to represent information.

SCI06A13: Know how systems and parts of systems work together.

SCI06B11: Understand how scientific knowledge and concepts have changed over time.

SCI06B12: Understand how individuals and teams have contributed to science.

SCI06C11: Know how to design and/or conduct an experiment using the scientific method.

SCI06C12: Know how to communicate information learned from investigations.

SCI06C13: Know how to use data to defend the validity of the experiment and results.

SCI06D11: Know different states of matter and their energy changes.

SCI06D110: Explain the motion of objects.

SCI06D111: Understand simple machines and their relationships to force.

SCI06D112: Know definitions of energy and describe energy interactions.

SCI06D113: Understand energy types and sources.

SCI06D114: Understand forms of energy by using the models of energy transmission.

SCI06D12: Understand matter is made up of atoms and substances are made of molecules.

SCI06D13: Know how to use and interpret the periodic table.

SCI06D14: Know that atoms often combine to form a molecule.

SCI06D15: Know chemical reactions result in new substances with different properties.

SCI06D16: Know how to classify substances as elements, compounds, or mixtures.

SCI06D17: Know the difference between physical and chemical properties and changes.

SCI06D18: Understand the conservation of mass.

SCI06G11: Understand the impact of science and technology on our world.

SCI06H11: Use scientific information and skills to make decisions about the world.