

**Department: Science**

**Course: Science 8**

**Revised: October, 2016**

SCI08A11: Understand how scientists measure using the SI system.

SCI08A12: Understand how different models can be used to represent information.

SCI08A13: Know how systems and parts of systems work together.

SCI08B11: Understand how scientific knowledge and concepts have changed over time.

SCI08B12: Understand how individuals and teams have contributed to science.

SCI08C11: Know how to design and/or conduct an experiment using the scientific method.

SCI08C12: Know how to communicate information learned from investigations.

SCI08C13: Know how to use data to defend the validity of the experiment and results.

SCI08E11: Understand the structure of the universe.

SCI08E110: Understand how fossil evidence is related to Earth's history.

SCI08E111: Understand how humans impact the Earth and its resources.

SCI08E12: Understand tools used in the study of Earth and space science.

SCI08E13: Understand the structure of the solar system.

SCI08E14: Understand the cycles that result from the Earth's position and motion.

SCI08E15: Understand the structure of Earth's atmosphere and its influence on Earth.

SCI08E16: Understand the processes of the rock cycle and mineral formation.

SCI08E17: Understand the structure and basic processes of Earth.

SCI08E18: Understand the role of freshwater on Earth.

SCI08E19: Understand the basic features of an ocean.

SCI08G11: Understand the impact that science/technology have on the world.

SCI08H11: Use scientific information and skills to make decisions the world.