

**Department: Science**

**Course: Science 7**

**Revised: October, 2016**

SCI07A11: Understand how scientists measure using the SI system.

SCI07A12: Understand how different models can be used to represent information.

SCI07A13: Know how systems and parts of systems work together.

SCI07B11: Understand how scientific knowledge and concepts have changed over time.

SCI07B12: Understand how individuals and teams have contributed to science.

SCI07C11: Know how to design and/or conduct an experiment using the scientific method.

SCI07C12: Know how to communicate information learned from investigations.

SCI07C13: Know how to use data to defend the validity of the experiment and results.

SCI07F11: Understand characteristics of living organisms.

SCI07F110: Understand factors that affect the survival or population growth of species.

SCI07F111: Understand that organisms evolve through adaptations to their environment.

SCI07F12: Know how to classify organisms based on structure.

SCI07F13: Understand the structure and function of cells.

SCI07F14: Understand plant structures, functions, and processes.

SCI07F15: Know the properties of DNA.

SCI07F16: Understand how organisms inherit traits.

SCI07F17: Understand diseases and disorders, and their impact on society.

SCI07F18: Understand the difference between sexual and asexual reproduction.

SCI07F19: Understand the structure and functions of body systems of various organisms.

SCI07G11: Understand the impact that science and technology have on the world.

SCI07G12: Investigate an environmental issue.

SCI07H11: Use scientific information to make decisions about the world.