

PLANNED COURSE STATEMENT

Course Title: 6th Science	Grade Level: 6
Length of Course: 2 Semesters	Credit Area or Type: Core (GPA)

Prerequisite:

Adopted/Supplemental Materials: STEM Scopes

Course Description:

Students will learn a variety of integrated science topics. Students will learn and practice Scientific Inquiry. Scopes in this class include the following: Cells, Anatomy of a Cell, Bodies and Systems, The Water Cycle, Influences of Weather and Climate, Ocean Currents, Thermal Energy Transfer, Kinetic Energy, Energy Transfer & Temperature, Water Cycle, Influences of Weather & Climate, Reproduction in Plants and Animals, Growth of Organisms, Sensory Receptors, Inheritance and Genetic Variation, Predicting Weather, Influences of Weather and Climate, Thermal Energy Transfer, Energy Transfer and Temperature, Ocean Currents, Human Impact on the Environment, Human Activities and Global Climate Change, Reproduction in Plants and Animals, and Growth of Organisms

Course Goals:

Students will:

1. Learn about systems and subsystems in Earth and Life Science.
2. Learn about the earth system Interactions that cause weather.
3. Learn about causes and effects of regional climates.
4. Learn about the effects of Global Warming on Living Systems
5. Study and practice the steps and procedures of Scientific Inquiry.

Assessment Strategies:

1. Daily Assignments
2. Journal entries
3. Projects
4. Unit Tests
5. Experiments

Accommodations and Modifications:

TAG Students

May pre-test on any unit. If a student scores 85% or above, student and teacher will create an individual assignment for that student to complete while the class completes the unit.

All students are given a choice of unit projects that allows them to choose a project that fits her/his learning style.

Career Related Learning Standards:

- A. Scientist
- B. Researcher
- C. Oceanographer
- D. Astronomer
- E. Geologist
- F. Meteorologist