

**Department:** Science

**Course Name:** Science 6 – General Science

**Course Description:**

Sixth Grade Science is a physical science course designed to provide middle school students with the scientific knowledge and skills to allow them to perform successfully in higher level science courses. The emphasis of this course is to explore, discover and understand basic chemistry, astronomy, electricity, computer science, robotics, forces, and simple machines

**Content:**

Introduction to Science

Scientific Method

Matter and Atoms

Mixtures and Compounds

Astronomy

Electricity

Computer Science

Robotics

Forces and Motion

Simple Machines

**Skills:**

Develop an understanding of scientific principles and methods

Use basic laboratory and field equipment

Calculate measurements and conversions

Construct lab reports using a standard lab report format

Practice scientific writing skills

Use two facts, ideas or events to discover a third fact or idea

Demonstrate an understanding of the concept of energy in all aspects of the universe

Find successes in failed attempts

Basic computer coding skills

Learning Management Systems

**Text and Resources:**

Glencoe Physical Science Textbook

Verified websites

Guest lectures

Science Apps

Videos/ DVDs

Lego Robotics

**Methods of Instruction:**

Field work

Lab work

Projects

Group collaboration

Science apps

Lectures

Interactive presentations and apps

**Methods of Evaluation:**

Labs

Demonstration Analysis

Tests

Quizzes

Homework

Individual and Group Work

Observations

Online Assessment

