

Department: Science

Course Name: Science 5 - Ecology

Course Description:

Fifth Grade Science is designed to encourage and excite students to explore and engage in the natural world around them. Students will study Earth science topics related to Earth's structure and composition, geologic changes, weather and climate, and water and other resources. In addition, students will be getting their hands dirty, observing, and analyzing Virginia's ecosystems, and studying the science of the Chesapeake Bay watershed.

Content:

Methods of Science

Mapping Earth

Earth's Structure and Composition

Earth Processes

Earth's Atmosphere

Weather

Water and Other Natural Resources

Oceans

Virginia's Natural World

Chesapeake Bay Watershed

Skills:

Develop an understanding of scientific principles and methods

Use basic laboratory and field equipment

Practice measurement skills 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

Utilize learning management system

Text and Resources:

McGraw Hill Earth and Space iScience Student Edition

Various field guides

Verified websites

Science Apps

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

