



Course Introduction

This introduction to science focuses on energy, force, weather, climate, Earth's systems, and living organisms. Explore topics in-depth and build a foundation for concepts covered in Science 2 and 3.

Course Description

Middle School Science 1 is the first in a series of three consecutive science classes. It introduces middle school students to the disciplines of life science, physical science, and earth-space science. In addition, technology, engineering, and mathematics (STEM) concepts are integrated throughout the course. The lessons make real-world connections and require students to apply STEM skills like analysis, problem solving, science knowledge, and engineering practices. Hands-on and virtual laboratory investigations are included throughout the course to provide students opportunities for exploration through scientific inquiry, research, measurement, problem solving, and experimental procedures. By the end of the course, students will be practicing, experimenting, thinking, and talking like a scientist!

This is a yearlong course consisting of 6 units.

Course Overview

Semester 1

- Force and Energy
- The Earth
- The Atmosphere

Semester 2

- Cells and Life
- Classifying Life
- Body Systems

Required Course Materials

Please access the list of course materials from the OC Online book ordering system and order your materials as soon as possible. Oftentimes, course materials are on back order and you may experience a delay in receiving them, causing students to fall behind in their online coursework. When ordering used or rented materials, be careful that online access codes are also current.

Methods of Evaluation

Students will demonstrate mastery through the following formative and summative assessments:

- 40% Assignments
- 10% Participation (Discussion Posts, Synchronous Sessions)
- 10% Quizzes
- 25% Final Exam
- 15% Unit Tests