



Course Introduction

Explore the foundations of science, including energy, Earth's changing features and structures, Earth's history, genetics, heredity, and the organization and interaction of living organisms.

Course Description

MS Science 2 is the second course in the Middle School Science Sequence. In this course students explore: The Foundations of Science, Energy, The Earth and its features, The Earth's internal and external structures and how they change, The Earth's history, living things and how they change and interact, Genetics and Heredity, and The Organization of the living world. Some of these topics are introduced and serve as a foundation for MS Science 3 and others are discussed in detail. Students will learn through real world examples and virtually visit 6 different continents to see science in action all over the world. Students will participate in activities and online laboratory experiences to apply what they have learned.

Middle School Science 2 is the second in a series of three consecutive middle school science classes. It builds on concepts introduced in the first course of the series, including the disciplines of life science, physical science, and earth-space science. In addition, technology, engineering, and mathematics (STEM) concepts are integrated throughout the course.

This is a yearlong course consisting of 6 units.

Course Overview

Semester 1

- Matter and Energy
- Interdependence of Life
- The Earth

Semester 2

- Patterns of Change
- Energy Resources
- Heredity and Genetics

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