



Course Introduction

Prepare for high school science courses with this introduction of new topics and review of science basics. You will learn more about the nature of science, Earth and space science, properties of matter, changes in matter, matter and energy, and energy flow.

Course Description

Middle School Science 3 is the third in a series of three consecutive middle school science classes. It builds on concepts introduced in the first and second courses 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. Students learn about properties of matter, physical and chemical changes, atoms and the periodic table of elements, photosynthesis and cellular respiration, the universe, and the solar system. 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

- Matter
- Changes in Matter
- Elements and Compounds

Semester 2

- Cycles and Conservation
- The Universe
- Our Solar System

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