

## **Earth Science B Course Description**

This course examines many facets of Earth as well as delves into the mysterious unknowns of space. In this course, we will learn about the creation of the oceans and continents, plate tectonics, earthquakes and volcanoes. In addition, we will discover how some of the largest mountain ranges in the world were formed.

After we look at some of Earth's surfaces and processes, we will take a trip through the beginnings of life all the way to its extinction. Our final journey will be out of this world as we explore space.

### **Course Outline**

#### Unit 1 - Introduction to Earth's Oceans:

- The Oceans
- Movements in the Ocean
- The Ocean Shore
- The Sea Floor

#### Unit 2 - Dynamics of Earth:

- Continental Drift
- Plate Tectonics
- Volcanic Activity
- Volcanoes

#### Unit 3 - Earthquakes and Mountain Building:

- Earthquakes
- Measuring Earthquakes
- Mountain Building

#### Unit 4 - Geological Time:

- Geological Time
- Precambrian Earth
- Paleozoic Era
- Mesozoic Era
- Cenozoic Era

#### Unit 5 - Space:

- Astronomy and the Moon
- The Sun-Earth-Moon System
- The Solar System
- The Sun

- Stars
- The Milky Way
- Cosmology

## **Assignments**

The assessments in this course will consist of assignments, quizzes, and a midterm and final exam. All assessments must be completed in the order they are given. Failure to complete the course in order may result in resets of assessments.

Assignments- All assignments in this course are designed to assess your knowledge on the objectives and topics covered in the course. In order to successfully complete these assessments, you must score a 60% or above. If you receive a score below this percentage, you will be required to redo the assessment.

Quizzes- These are small check points you should use to make sure you are understanding the material.