

# Heights Tutorial Class Description

**Course Title:** Earth Science with lab

**Teacher:** Kelsey Rule

**Grade:** 8th+

**Day of week:** Tuesday

**Time:** 10:05-11:30am

***Minimum of 6 students required to start.***

**Credit (for high school):** 1.0 full credit with lab

## **Costs:**

Tuition: \$475

Fee: \$75

## **Course Description**

Earth Science is a year-long, laboratory-based science course that introduces students to the structure and processes of our planet and its place in the universe. Using the Discovering Design with Earth Science text, students explore Earth's geosphere, hydrosphere, and atmosphere through reading, hands-on experiments, and observation. Topics include rocks and minerals, the rock cycle, plate tectonics, earthquakes and volcanoes, fossils and their interpretation, weather and water systems, and an introduction to the solar system and broader cosmos. Students also practice scientific thinking, data recording, and basic laboratory skills as they deepen their understanding of Earth's systems and how they interact.

During class time, the students will complete their labs, go over chapter review questions, and give project presentations. At home, the students will read the chapters, answer comprehension check questions, answer chapter review questions, prepare projects and take their chapter tests.

## **Prerequisites**

7th grade science and 7th grade math

## **Textbook Required**

*Discovering Design with Earth Science* By: Dr. Jay L. Wile

**ISBN-13:** 978-0-9962784-3-0 (student textbook only)

## **Supply List**

2" 3-ring binder

Dividers

College ruled notebook paper

Pens/pencils

Lab notebook (unlined if preferred)