

EARTH AND SPACE SCIENCE

Tuesdays, January 28-April 28 (no class Feb 18, Mar 24, Apr 7 or Apr 21; 10 weeks)

11:00am-12:15pm

Ages 6-8

Students explore Earth and space through hands-on experiments and activities, including modeling of processes that affect the surface of our planet, engineering structures to withstand the forces of an earthquake, investigating the size and movement of the planets in our solar system, and more. All lab costs are included in registration fee. Course enrollment is limited to 12 students.

Instructor: Karen Berry, MSc

Location: Science Center (suite 5)

Course fee: \$180 OR \$20/lab

10% off early registration discount through December 15

10% off sibling discount available beginning December 16

LAB SCHEDULE:

The Solar System – Tuesday, January 28

Students explore our solar system as they create a to-scale model of our planets, and learn special feature of each one.

Earth's Layers – Tuesday, February 4

This week, we look inside our planet to create a model of the Earth's layers, study how its surface moves, and learn why the Earth acts like a magnet.

Weathering and Erosion – Tuesday, February 11

We play with sand and water to study the processes of weathering and erosion to demonstrate how the Earth's surface changes over time.

Rock Types – Tuesday, February 25

Students investigate sedimentary, metamorphic and igneous rocks, and make their own examples of each as they learn about the rock cycle.

Earthquakes – Tuesday, March 3

Learn what causes earthquakes and why they do not occur everywhere, and engineer a structure that can withstand the forces of an earthquake.

Oceans – Tuesday, March 10

We study the oceans of our planet today, and investigate how deep they are and how water moves around the Earth.

The Water Cycle – Tuesday, March 17

Students study and model the water cycle to investigate how water gets into the clouds and where it goes once it rains.

Seasons – Tuesday, March 31

This week, we investigate why we have different seasons, and learn the difference between the Earth rotating and revolving.

The Moon – Tuesday, April 14

We study the moon in lab today to investigate why we only see certain parts of the moon at night, and learn about the moon's effects on our planet.

Stars – Tuesday, April 28

Students learn about stars, including our sun, as we learn about constellations and conduct experiments with sunlight.

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