

SCIENTISTS-IN-TRAINING

Thursdays, January 28-April 29 (no class Feb 18, Apr 8; 12 weeks)

11:00am-12:15pm

Ages 6-8

Students explore a different field of science each week by conducting experiments and learning about an important scientist in each field. We explore many areas of science, including microbiology, physics, geology, genetics, entomology, astronomy and more. All lab costs are included in registration fee. Course enrollment is limited to 12 students.

Instructor: Corinne Zellie, BSc

Location: Science Center (suite 5)

Course fee: \$220 OR \$20/lab

10% sibling discount

LAB SCHEDULE:

Geology - Thursday, January 28

Today we become geologists and study how rocks are formed as we simulate the rock cycle and crack open geodes.

Meteorology - Thursday, February 4

Kids study the weather as they become familiar with tools used by meteorologists, learn why it rains and create a weather forecast.

Astronomy – Thursday, February 11

We study the planets in our solar system today and learn characteristics of each, including how long a day is on Jupiter, and which planet has the longest year.

Physics – Thursday, February 25

Students experiment with force and motion as they learn how paper airplanes fly, and launch projectiles with catapults.

Chemistry – Thursday, March 4

Kids explore chemistry as they conduct color-changing experiments, and grow crystals made of metal.

Microbiology – Thursday, March 11

Students learn the proper use of a microscope as they investigate microscopic organisms as well as plant and animal cells.

Entomology (the study of bugs) – Thursday, March 18

We dissect logs today to look at bug habitats, investigate the diversity of insects, and learn which bugs are not insects at all.

Ichthyology (the study of fish) – Thursday, March 25

Today, kids have the opportunity to investigate the anatomy of real (but preserved) bony fish and sharks as they learn about ichthyology.

Marine Biology – Thursday, April 1

This week, we explore invertebrates of the ocean as we study the anatomy and adaptations of preserved jellyfish, sea urchins, squid and more.

Botany – Thursday, April 15

Kids learn the anatomy of plants and how they make their own food, as they use plant pigments as natural paints and dye.

Ecology – Thursday, April 22

This week, we investigate different ecosystems, learn how plants and animals interact with their environment, and study the water cycle.

Genetics – Thursday, April 29

Kids learn about the genetic code, where DNA is in our bodies and how to extract it from strawberry cells.