

BOTANY

Mondays, January 25-April 26 (no class Feb 15, Mar 15, Apr 5; 11 weeks)

11:00am-12:15pm

Ages 8-10

Students study the diversity of plants as they investigate the anatomy, adaptations and behaviors of various types of plants, and explore pollination, propagation and growth of plants through hands-on activities and experimentation. All lab costs are included in registration fee. Course enrollment is limited to 12 students.

Instructor: Christina St. Martin, MSc

Location: Science Center (suite 5)

Course fee: \$200 OR \$20/lab

10% sibling discount

LAB SCHEDULE:

Plant Anatomy - Monday, January 25

Kids explore plant anatomy at the gross and cellular level as they investigate parts of a plant and learn the proper use of microscopes to view plant cells and their organelles.

Photosynthesis - Monday, February 1

We study to process that plants use to make food by conducting a photosynthesis experiment.

Pollination – Monday, February 8

This week we focus on pollination as we dissect flowers, learn about pollinators and conduct a pollination experiment.

Seed Dissection – Monday, February 22

Students investigate different types of seeds through simple dissections, and determine the scientific difference between fruits versus vegetables.

Plant Propagation – Monday, March 1

We explore different ways plants make more of themselves as we plant seeds and learn how to propagate new plants using parts of other plants.

Phototropism – Monday, March 8

Today, we study phototropism to see how plants orient themselves toward or away from a light source, and create a maze box to see how our plants find light as they grow.

Terrarium Science – Monday, March 22

Kids learn about mosses and lichens and what these organisms need to survive as they build their own moss terrarium to take home.

Plant Adaptations – Monday, March 29

In this lab, we investigate protective adaptations many plants have to reduce the likelihood of being eaten by herbivores.

Unusual Plants – Monday, April 12

We investigate the unusual adaptations of Venus fly traps, pitcher plants, aquatic plants, and air plants to see how they survive in their unique environments.

Desert Plants – Monday, April 19

Students explore cacti and succulents to see how they are able to survive and flourish in the harsh conditions of desert environments.

Epiphytes and Parasitic Plants – Monday, April 26

Ever see plants growing on other plants? We study how some plants are epiphytes (they just grow on other plants) and some are parasitic (they get nutrients from a living host plant).