

## **BOTANY**

Mondays, September 11-December 11

No class October 9, November 6, November 20 (11 weeks)

11:00am-12:15pm

Ages 6-10

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.

### **LAB SCHEDULE:**

**PLANT ANATOMY** - Monday, September 11

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, September 18

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

**POLLINATION** – Monday, September 25

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

**SEED DISSECTION** – Monday, October 2

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

**PLANT PROPAGATION** – October 16

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, October 23

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, October 30**

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, November 13**

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

### **UNUSUAL PLANTS – Monday, November 27**

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, December 4**

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, December 11**

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).

Location: Discover Science Center – Peachtree City

Full semester - \$240 OR \$24/lab

10% sibling discount