



## **BOTANY**

Wednesdays, January 24-May 1

No class February 21, March 13, April 3 (12 weeks)

12:30-1:45pm

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** - Wednesday, January 24

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.

**DENDROLOGY** - Wednesday, January 31

Kids become tree scientists as they distinguish between deciduous and evergreen trees, learn how we identify tree species by their leaves and bark, and conduct a pine cone experiment.

**PHOTOSYNTHESIS** - Wednesday, February 7

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

**POLLINATION** - Wednesday, February 14

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

**SEED DISSECTION** – February 28

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

**PLANT PROPAGATION** – Wednesday, March 6

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** – Wednesday, March 20

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.

### **SCIENTIFIC PRESERVATION** – Wednesday, March 27

We investigate the way early botanists collected and preserved plants to study and create a plant press and journal for us to collect and preserve the plants we would like to learn more about.

### **PLANT ADAPTATIONS** – Wednesday, April 10

In this lab, we investigate many unusual plants, such as carnivorous plants, succulents, epiphytes and others to compare the adaptations they have to increase survival in their unique habitats.

### **NATIVE AMERICANS AND BOTANY**– Wednesday, April 17

This week kids study how Native Americans used plants for food, shelter, medicine and clothing and practice some of the techniques used in these traditions.

### **LANDSCAPING** – Wednesday, April 24

Kids explore the five ecoregions of Georgia and learn about the plants that reside in them. We connect that with native, introduced and invasive plants and the importance their choices of plants as they design their own home landscaping.

### **AGRICULTURE** – Wednesday, May 1

Ever see plants growing in tiers or weird patterns? We study the history of agriculture and experiment with erosion control practices to determine what ways we can keep the integrity of the soil while also providing enough products for the growing populations.

Location: Science Center (suite 5)

Full semester - \$264 OR \$24/lab

10% sibling discount