



## **SCIENCE OF GEORGIA**

Mondays, September 12 - December 12 (no class Oct 10 and Nov 21; 12 weeks)

12:30 pm-1:45pm

Ages 8-10

**In these hands-on labs, students investigate the science that makes up Georgia, from the clay soil underfoot to the constellations in the sky. We take a tour through engineering, earth sciences, life sciences, and more as we investigate our state. All lab costs are included in registration fee.**

Instructor: Q Collins, BSc

Location: Science Center (suite 5) - Roswell

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

10% sibling discount

Register for full semester or individual labs.

### **LAB SCHEDULE:**

**MAPPING** - Monday, September 12

In this workshop, we pull out our maps and compasses, and find out way around Georgia. Students practice their map-reading skills to locate cities in our state.

**PHYSICAL FEATURES** - Monday, September 19

This week, students explore the basics of topography as we identify important landforms of Georgia, the Appalachian trail, and the engineering that goes into roads and cities.

**GEOLOGICAL REGIONS** - Monday, September 26

How diverse are Georgia's landscapes? This week, we investigate the different biomes of Georgia, including the Okeefonoke swamp, barrier islands, and Providence Canyon.

**WEATHER AND CLIMATE** - Monday, October 3

We study how location and geography can lead to heat, humidity, and severe weather as we look at Georgia's characteristic climate and how we characterize it.



### **OUR RIVERS AND LAKES** - Monday, October 17

Students review mapping skills as they explore Lake Lanier, the Chattahoochee River, and other popular waterways.

### **GEORGIA'S FOSSILS** - Monday, October 24

This week, we discover common ancient artifacts hidden beneath Georgia's surface. Students focus on the state's fossil, shark teeth, as well as other marine and terrestrial fossils.

### **GEORGIA'S AGRICULTURE** - Monday, October 31

Peaches are not the only crop grown on Georgia soil. Students discover the state's rich agriculture and what makes Georgia a prime location to grow pecans and blueberries.

### **NIGHT SKY** - Monday, November 7

In this class, students look skyward as we explore star maps and local constellations. We study the causes and effects of light pollution and learn more about coordinates.

### **GEORGIA'S PLANTS** - Monday, November 14

Students investigate the anatomy of native and invasive plant species, what makes them different, and how kudzu covered the South.

### **GEORGIA'S BIRDS** - Monday, November 28

Students learn about both native and migratory bird species. Students investigate bird habitats and behavior as we practice our bird watching skills.

### **SNAKES OF GEORGIA** - Monday, December 5

Students discover the many different snake species native to Georgia, from corn snakes to rattlesnakes. We learn about snake identification, anatomy, and their importance to our local ecosystems.

### **JORO SPIDERS** - Monday, December 12

Giant spiders are all over Georgia! We learn about Joro spiders, how to identify them, and the importance of their recent arrival in the USA as we practice our web building skills.