

MAPPING LANDFORMS

Thursdays, January 30-April 30 (no class Feb 20, Mar 12, or Apr 9; 11 weeks)

9:30am-10:45am

Ages 6-8

Students learn about reading and creating maps, as they learn why landforms are located where they are, practice navigation skills, investigate how scientists create and use maps in their research, and learn about some geographic features of our state. All lab costs are included in registration fee. Course enrollment is limited to 12 students.

Instructor: Katie Sheffield, BSc

Location: Science Center (suite 5)

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

10% off early registration discount through December 15

10% off sibling discount available beginning December 16

LAB SCHEDULE:

Pangea Puzzle – Thursday, January 30

Explore how the geography of the Earth has changed over the last 220 million years. Students recreate the supercontinent known as Pangea, and investigate how landmasses fit together like puzzle pieces.

Coordinates – Thursday, February 6

Join as we investigate the significance of the invisible lines, latitude and longitude, that run along Earth's surface and practice following coordinates to find different locations on Earth.

Georgia Landforms – Thursday, February 13

In this class, we pull out our maps and compasses, and find our way around Georgia. Students work on their map-reading skills to locate important geological landforms in our state.

Relief Maps – Thursday, February 27

Students design and create a raised relief map showcasing variation in elevations, and investigate how specific coloration of the map references elevation.

Georgia Road Maps – Thursday, March 5

Reading maps is an essential skill that will be practiced during this class. We focus on the features of a Georgia road map, and practice our navigation skills.

Orienteering Challenge – Thursday, March 19

In this activity, students are challenged to read a map and use a compass to navigate their way to designated check points.

All About Rivers – Thursday, March 26

Students investigate the formation of rivers, and study locations and significance of major river systems in Georgia.

Ocean Floor Mapping – Thursday, April 2

This class focuses on map making technologies used for mapping the ocean floor. Students create an ocean map model while investigating the challenges of this type of map making.

Hydrothermal Vents and Volcanoes – Thursday, April 16

Students study the location of hydrothermal vents and volcanoes, and learn why most of these extreme environments are located along tectonic plate boundaries.

Tracking Animals – Thursday, April 23

Students investigate real-time data used by scientists to track animals. Scientists use this data to answer questions of potential feeding and mating areas as well as how far some animals travel when migrating.

Cartography – Thursday, April 30

We continue exploring maps by making our own! Students practice making simple maps, and work on their spatial and directional skills during this map making activity.

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