



OPERATED BY

**CU LI**  
CLEMSON® UNIVERSITY LEARNING INSTITUTE

All curriculums align with South Carolina state standards and feature hands-on, application-based learning.



**EXPLORATION  
HANNON**

[EXPLORATIONHANNON.COM](http://EXPLORATIONHANNON.COM)

Exploration Hannon is a mountain geology and ecology field study program designed around the processes and skills of scientific inquiry. Students will discover science concepts and engage in scientific thinking through investigations that explore the topographical phenomenon called the Blue Ridge Escarpment - a drastic and sudden 3,000-foot shift in elevation from flat piedmont to steep mountains that forms an abrupt “blue wall.”



### STREAM MAPPING

- Identify and observe types of water features in the mountain stream
- Measure the depth and volume of a cross section of the river
- Perform experiments to collect the necessary data needed to calculate both the speed and flow of the river
- Graph your results
- Design and build a model boat to race down the stream using the evidence and observations gathered

### MOUNTAIN GEOLOGY AND SOIL

Use the rock cycle model to construct explanations of geological phenomena including:

- Formation of the Appalachian Mountains
- Movement of plate tectonics, folds, and faults
- Creation of different landforms
- How natural processes and human activities affect the features of Earth’s landforms

### FOREST AND WILDLIFE ECOLOGY

Discover and observe plant and animal interactions

- Investigate biotic and abiotic factors within terrestrial ecosystems
- Discover the species diversity within the Appalachian Mountains flora and fauna
- Learn about predator prey interactions within our ecosystem



### AQUATIC ECOLOGY

- Conduct a scientific investigation in the mountain stream
- Ask questions, generate hypothesis, test predictions, and develop explanations
- Test water quality in a stream and pond
- Explore biotic and abiotic factors within this aquatic ecosystem

### MAP AND COMPASS

- Students will learn how to read a topographical map
- Students will learn how to navigate around camp with a compass
- Combine the map and compass to explore this unique landform and ecosystem



### ADDITIONAL ACTIVITIES

- Archery
- Rappelling\*
- Axe Throwing
- Leap of Faith\*
- Teams Course
- Zip Line\*
- Climbing Tower\*

\*Please call for additional pricing options.



For more information about scheduling, capacity, and pricing, please visit [explorationhannon.com](http://explorationhannon.com) or call us at 864.453-0006.