



# 4<sup>TH</sup>



A 402 Roper Mountain Road  
Greenville, SC 29615

P 864.355.8900

**RoperMountain.org**



# FOURTH GRADE

You will receive three of the four 55-minute learning labs in the “experience” grouping.

**Fourth grade teachers may request a second visit for an additional unique experience.**

## Physical Science Experience

### Light Heist

Symmes Hall of Science — 55 Minutes

There’s been a theft! In this “whodunit” lab, students will use properties of light to discover which suspect stole a precious sculpture. Working as detectives, students will use special equipment to investigate shadows, light mazes, light reflection, and color filters. The evidence will shine a light on the guilty party!

Science Standards: 4-PS4-2.


Sponsored by: 

### Powerful Decisions

Symmes Hall of Science — 55 Minutes

It’s electric! After exploring different energy transformations, students will build circuits and try to power multiple devices simultaneously. Small groups will then wire their individual “homes” with a limited supply of electricity, powering the devices they deem most important. What will you power in your home?

Science Standards: 4-PS3-2, 4-PS3-4

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### Need for Speed

Symmes Hall of Science — 55 Minutes

Full speed ahead! In this “fast-paced” lab, students will collect real-time motion data from specialized cars and instantaneously view the resulting graphs. Using their data, students will examine the relationship of speed to energy and help Meevil the Weevil complete several feats. If you’re a thrill seeker, this challenge is for you!

Science Standards: 4-PS3-1, 4-PS3-3

### Patterns Lab Escape

Symmes Hall of Science — 55 Minutes

Did you get the message? Students will be volunteers in Dr. Patty Turner’s lab and help her research how patterns are used to transmit information. Using patterns of light, sound, morse code, and more, students will decipher codes and unlock secrets of communication. Can you solve the puzzles and decrypt the final challenge in time?

Science Standards: 4-PS4-3

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**Continued on next page.**

[CLICK HERE FOR REGISTRATION FORM](#)

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## FOURTH GRADE

Continued from previous page.

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### Life Science and History Experience

#### Coastal Catastrophes

Environmental Science and Sustainability Building — 55 Minutes

They huff and puff and blow your beaches away. Each year hurricanes, earthquakes, and floods are responsible for massive changes to coast lines all over the world. Students will combat various natural disasters as they test a variety of beach erosion solutions and design earthquake engineering solutions.

Science Standards: 4-ESS2-1, 4-ESS3-2

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Milliken

#### The 6th Sense

Harrison Hall of Natural Science — 55 Minutes

*I see living animals.* How do snakes hunt underground? How do owls use night vision to survive? How do bats find their food at night? Students will answer these questions and so many more as they explore the world and solve animal sized problems using a variety of animal sixth senses!

Science Standard: 4-LS1-2

#### Creepy Crawlies

Environmental Science and Sustainability Building — 55 Minutes

“Venom glands, slimy skin, and armored bodies are just a few of the superhero like structures students will explore in this lesson while getting up close to animals that creep, slither, and crawl. “

Science Standards: 4-LS1-1

#### American Revolutionaries

Living History Farm — 55 Minutes

By taking part in a reenactment, students will discover the hardships of military life as well as how the battle of Cowpens was a decisive turning point in our fight for freedom. Students will discover Revolutionary War spy techniques as they help to convey a secret message!

Social Studies Standards: 4.2.CE, 4.2P, 4.2CX

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# Roper Mountain

## 2024–2025 Elementary Scheduling Request Form

Email form to: [abuckmaster@greenville.k12.sc.us](mailto:abuckmaster@greenville.k12.sc.us)

Questions? 864.355.8967

### Priority Registration Deadline August 23, 2024

We will continue to accept registrations after original priority deadline expiration.

- Please fill out forms for each teacher and class (ex. 6 Classes = 3 Forms...)
- All teachers on a grade-level should submit requests together if they want to be scheduled together (if possible). Include Special Education classes if needed.

School: \_\_\_\_\_ District: If not Greenville County Public School \_\_\_\_\_

Mailing/Billing Address: Required if not Greenville County Public School \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ Phone: \_\_\_\_\_

Please rank (1-9) the months you prefer to visit. Do not rank months you are not willing to attend.

\_\_\_ Sept. \_\_\_ Oct. \_\_\_ Nov. \_\_\_ Dec. \_\_\_ Jan. \_\_\_ Feb. \_\_\_ Mar. \_\_\_ Apr. \_\_\_ May (1st Grade only)

### Teacher

Name: \_\_\_\_\_

first

last

E-mail: Please print clearly \_\_\_\_\_

Grade: \_\_\_ # Students: \_\_\_

#### First Grade

##### Year-Round

☐ Year-Round Adventure

##### May Only (please rank)

☐ Light & Sound OR ☐ Down on the Farm OR

☐ Natural Science

#### Second Grade (please rank)

☐ Option A OR ☐ Option B OR ☐ Option C

#### Third Grade (please rank)

☐ Natural Science Discovery OR ☐ Farm and Science Discovery

#### Fourth Grade (please rank)

☐ Life Science & History OR ☐ Physical Science Experience

#### Fifth Grade (please rank)

☐ Matter OR ☐ Earth & Ecosystem OR ☐ "Sea" It In a Day

#### Special education teachers:

Please list the instructional level of students and any special requirements.

### Teacher

Name: \_\_\_\_\_

first

last

E-mail: Please print clearly \_\_\_\_\_

Grade: \_\_\_ # Students: \_\_\_

#### First Grade

##### Year-Round

☐ Year-Round Adventure

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☐ Matter OR ☐ Earth & Ecosystem OR ☐ "Sea" It In a Day

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### OFFICE USE ONLY

\_\_\_\_\_ Date Received ☐ Entered Spreadsheet ☐ Entered Altru

Program Scheduled \_\_\_\_\_ Date \_\_\_\_\_ Email offer \_\_\_\_\_ ☐ Accepted ☐ Declined

Alternative Offer \_\_\_\_\_ Received