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A 402 Roper Mountain Road  
Greenville, SC 29615

P 864.355.8900

**RoperMountain.org**



# FIRST GRADE

## Year-Round Adventure

This 3-part rotation will move around to different parts of Roper Mountain in order to provide students with an exciting overview of the first grade science standards. Students will enjoy a Planetarium show, Auditorium live demonstration and visit the Living History Farm or Environmental Science Building.

**SPACE LIMITED**

### Your action packed adventure day will include:

#### WOW Science

Hipp Auditorium — 35 Minutes

Our science show extravaganza will highlight many first grade science standards. Be dazzled by our sound and light demonstrations—lasers, mirrors, tuning forks and soaring ping pong balls—we have them all! Marvel at animals and their offspring! Students will leave inspired and excited about the wonders of science!

Science Standards: 1-PS4-1, 1-PS4-2, 1-PS4-3, 1-LS1-2, 1-LS3-1

**AND**

#### Magic Tree House: Space Mission

Hooper Planetarium and Giant Dome Theater— 45 Minutes

Peek into the tree house and follow Jack and Annie on an exciting adventure as they meet an astronomer and an astronaut who guide them along a fun-filled journey to discover the secrets of the Sun, Moon, planets, space travel and more.

Science Standards: 1-ESS1-1

**AND**

#### Farm Discovery

Living History Farm — 60 Minutes

What came first? The chicken or the egg!? Join us for a fun chicken business opportunity as we observe patterns in our chickens' behavior that benefit their offspring and how most young are like, but not exactly like, their parents. In our gardens and historic buildings we will explore goods and services over time while using our math skills to determine if our "chicken business" will be a success.

Science Standards: 1-LS1-2, 1-LS3-1 Social Studies: 1.E.2

**OR**

#### Animal Powers

Environmental Science Building — 30 Minutes

Animals have the coolest super powers! Using live animals, students will learn how animals use their bodies and powers to help them survive, grow, and meet their needs.

Science Standards: 1-LS1-1

**AND**

#### Nature by Design

Environmental Science Building — 30 Minutes

Students will learn about biomimicry through real life examples of how humans copy nature. Using engineering practices, students will design and test flight solutions, inspired by plant and animal structures, in our wind tunnels.

Science Standard: 1-LS1-1

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# FIRST GRADE

## First Grade “May Days”

An exciting day awaits as you and your students participate in hands-on learning experiences specifically tailored to first grade learners.

**These lessons are offered ONLY in May. Space is limited so these “May Days” will be scheduled on a first come, first served basis.**

**Choose one of the following three options for your day-long experience:**

### 1. Light & Sound

**Only Available in May**

In this day-long exploration, students will discover the properties of light and sound through hands-on experiments in our Symmes Hall labs as well as enjoy an interactive presentation on space and light in the Hooper Planetarium.

#### **Magic Tree House: Space Mission**

[Hooper Planetarium and Giant Dome Theater](#)

Peek into the tree house and follow Jack and Annie on an exciting adventure as they meet an astronomer and an astronaut who guide them along a fun-filled journey to discover the secrets of the Sun, Moon, planets, space travel and more.

Science Standards: 1-ESS1-1

**Along with the Planetarium show, your day also includes the following experiences:**

#### **Turn It Up**

[Symmes Hall of Science — 30 Minutes](#)

The sound system in our city park is too quiet for concerts! Students will help us solve this problem by testing a variety of materials and deciding how each affects our speaker’s sound. After this hands-on testing, students will select the best material to improve the sound system. Along the way they will explore vibrations, compare different tuning forks, and experience sound in a whole new way!

Science Standards: 1-PS4-1

#### **Recycling Sense**

[Symmes Hall of Science — 30 Minutes](#)

Help us clean up the playground! This hands-on experience will demonstrate how light interacts through different real-world materials (translucent, transparent, and opaque). Students will investigate materials using their eyes and a flashlight. Then they will determine which materials are recyclable using our special light sensor. They will be rewarded with an illuminating surprise!

Science Standards: 1-PS4-3

#### **Garden Party**

[Symmes Hall of Science — 30 Minutes](#)

Seize the daylight! Students will use an interactive shadow box to explore the patterns of day and night and observe what happens when objects block the path of light. They will use their observations to determine the best place for a garden in the park to help the plants grow big and strong!

Science Standards: 1-PS4-2, 1-PS4-3, 1-ESS1-1

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**OR**

## 2. Down on the Farm

**Only Available in May**

In this day-long exploration, students will move throughout the Living History Farm to learn about plant structures, land use, and natural resources as they interact with our farm animals, explore the gardens and discover artifacts from our community in our 200 year old cabins. They will also enjoy an interactive presentation on space and light in the Hooper Planetarium.

### **Magic Tree House: Space Mission**

[Hooper Planetarium and Giant Dome Theater](#)

Peek into the tree house and follow Jack and Annie on an exciting adventure as they meet an astronomer and an astronaut who guide them along a fun-filled journey to discover the secrets of the Sun, Moon, planets, space travel and more.

Science Standard: 1.E.3A.3

**Along with the Planetarium show, your day also includes the following experiences:**

### **Growing Garden**

[Living History Farm — 25 Minutes](#)

Discover the structures that help plants grow and reproduce while helping with traditional children's chores as students learn what it takes to make a garden grow. In the case of severe weather, this lesson will take place in the one room schoolhouse.

Science Standard: 1-LS1-1 Social Studies Standards: 1.G.3, 1.E.2

### **Cabin Life in the 1800s**

[Living History Farm — 25 Minutes](#)

Students will discover the natural resources required to build and maintain a 19th Century farm as they participate in a number of hands-on tasks and handle artifacts that will give them a feel for what it was like to be a pioneer in our community in the 1800s.

Social Studies Standards: 1.H.3

### **Farm Animal Fun**

[Living History Farm — 25 Minutes](#)

Students will participate in the care and feeding of our barn animals, have a chance to milk our imitation cow and also make butter as we compare how goods and services have changed over time.

Social Studies Standards: 1.E.2, 1.H.3

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## FIRST GRADE

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OR

### 3. Natural Science

Only Available in May (half-day)

Discover the wonders of nature as you spend almost 2 hours exploring our Harrison Hall of Natural Science while rotating through four exciting, standards-based lessons. Your students will have the chance to hold, touch, and closely examine some of our most popular resident creatures while moving from one interactive exhibit to another.

Science Standards: 1-LS-1, 1-LS1-2, 1-LS-3-1

**The Natural Science Grouping includes the following half-day of mini lessons:**

#### **Creatures by the Seashore**

[Harrison Hall of Natural Science](#)

Students will discover how coastal creatures survive as they explore the aquariums and interact with a variety of marine animals in our touch tanks.

#### **Rainforest Exploration**

[Harrison Hall of Natural Science](#)

In this immersive exploration of the rainforest, students will learn about the characteristics of this unique habitat and get up close with some of the live animals and plants that live there.

#### **South Carolina Environments**

[Harrison Hall of Natural Science](#)

While exploring the Ecology Lab, students will examine how animals survive in a variety of SC environments including mountain streams, beaver ponds, cypress swamps, and salt marshes.

#### **Island Survival**

[Harrison Hall of Natural Science](#)

Students will discover the body differences and similarities among turtles that help them survive island life.

Sponsored by:  **BOSCH**

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 **GREENVILLE COUNTY  
SCHOOLS**  
Inspire | Support | Prepare

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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

##### May Only (please rank)

☐ Light & Sound OR ☐ Down on the Farm OR

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

#### Special education teachers:

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

### OFFICE USE ONLY

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

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

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