

2ND

Second Grade



Second Grade Explorations

An exciting day of learning awaits your students as they explore multiple immersive lessons! Besides taking part in two different 45-minute learning lab pairings of your choosing, students will experience two engaging planetarium shows as well

The Weather Planetarium **New!**

EQ: How can we use our senses to predict the weather? – 30 Minutes

The idea of weather forecasting will be covered in this colorful show on weather. Part 1 will help connect students to the weather around them by encouraging them to use their senses to observe weather. They will also be introduced to basic cloud types associated with specific weather conditions. Part 2 will help students describe and measure weather conditions. **Science Standards: 2.E.2A.1**

In addition, classes will experience “Zula Patrol: Under the Weather”, “The Molecularium: Riding Snowflakes”, or “States of Matter.”

Choose one of the following two options:

Option A

Nature Quest/Life Cycles Natural Science Classroom

EQ: What are some ways animals and plants depend on each other for survival?

It takes cooperation to survive! Students will enjoy a guided nature walk with a naturalist to discover how the animals and plants in their environment rely upon each other as a source of nutrients and shelter. Emphasis will be placed on field safety and scientific observation. **Science Standard: 2.L.5B.1**

(NOTE: in the event of inclement weather, students will remain indoors and participate in a Life Cycles lesson)

Animal Explorations! Natural Science Classroom

EQ: What are some physical characteristics of the major animal groups (bird, reptile, mammal, amphibian, fish, and insect)?

Come explore the Animal Kingdom! Through classification, students will become familiar with the physical characteristics of animals belonging to six basic groups including: Mammals, Birds, Amphibians, Reptiles, Fish, and Insects. Hands-on time with a variety of live and mounted animals will make this an exciting learning experience. **Science Standard: 2.L.5A.1**

Option B

Weather Explorers! STEM Lab

EQ: What are some tools that can be used to measure and record weather conditions?

Students will examine thermometers, wind vanes, rain gauges, and wind socks to learn how these instruments are used to measure and record weather. From using thermometers to observing bubbles, this lab will blow you away! **Science Standards: 2.E.2A.1, 2.E.2A.2, 2.E.2A.3**

What's the Matter? STEM Lab

EQ: What are some properties of solids and liquids?

Be amazed at how carbon dioxide, a gas we breathe out, can go through physical and chemical changes. In a series of experiments, students will discover the properties of solids and liquids, then observe how changes in states of matter are related to temperature differences. **Science Standards: 2.P.3A.1, 2.P.3A.3**



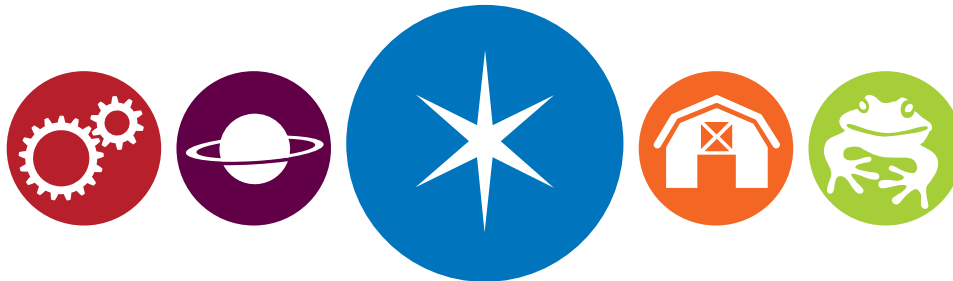
**Roper Mountain
Science Center**

A 402 Roper Mountain Road
Greenville, SC 29615

P 864.355.8900 F 864.355.8948

RoperMountain.org

 **GREENVILLE COUNTY
SCHOOLS**
Where Enlightening Strikes!



Roper Mountain Science Center 2017–2018 Scheduling Request Form

Please note:

For Grades 4 – 12 you will be scheduled for TWO learning labs/day unless you check HERE ___ indicating you only want one learning lab.

Mail form to:

Roper Mountain Science Center
Education Office
402 Roper Mountain Road, Greenville, SC 29615

Or fax form to:

864.355.8950 or 8948

Registration Deadline September 4, 2017

School: _____

District: If not Greenville County Public School _____

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

City: _____ State: _____ Zip: _____

Phone: _____ Fax: _____

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

Teacher One

Name: _____
first last

E-mail: Please print clearly _____

Grade: ___ # Students: ___ Check here for no picnic

First Grade

Adventure Day

Second Grade (please rank)

Option A **OR** Option B

Third Grade

SC In A Day

Fourth - Twelfth (please rank)

List learning labs in YOUR grade level (**Grades 4 – 12**) you would like to attend in order of preference with 1 being your first choice. Please **do not** list learning labs you aren't willing to attend.

1. _____
2. _____
3. _____
4. _____

Special education teachers: Please list the instructional level of students and any special requirements. _____

Teacher Two (sharing bus)

Name: _____
first last

E-mail: Please print clearly _____

Grade: ___ # Students: ___ Check here for no picnic

First Grade

Adventure Day

Second Grade (please rank)

Option A **OR** Option B

Third Grade

SC In A Day

Fourth - Twelfth (please rank)

List learning labs in YOUR grade level (**Grades 4 – 12**) you would like to attend in order of preference with 1 being your first choice. Please **do not** list learning labs you aren't willing to attend.

1. _____
2. _____
3. _____
4. _____

Special education teachers: Please list the instructional level of students and any special requirements. _____