

# 6<sup>TH</sup>



A 402 Roper Mountain Road  
Greenville, SC 29615

P 864.355.8900

[RoperMountain.org](http://RoperMountain.org)



## MIDDLE SCHOOL ASSEMBLY COMBINATIONS

### EXPLORING EARTH'S SYSTEMS

**Schedule up to 300 students on the same day  
10:00am to 12:15pm**

Divide your classes into two groups (up to 150 students each) and attend two incredible shows back-to-back in the Auditorium and Hooper Planetarium and Giant Dome Theater. Greenville County students are free. Other students are \$12 for the assembly combination. Lunch will be scheduled from 12:15pm - 12:45pm.

### 6th Grade

#### Clouds, Climates and Catastrophes!

Hipp Auditorium — Symmes Hall of Science — 60 Minutes

Join us as we explore the powerful relationships between water, energy, and Earth that lead to the weather conditions we experience in our everyday lives. See giant clouds form before your eyes, lightning jump across the stage from our Tesla coil, temperature changes on screen through an infrared camera, and many other breathtaking demonstrations. Students will gain a better understanding of the hydrologic processes in the atmosphere, the effect of warm and cold air masses on weather, and how these processes affect climate on the different regions of Earth.

Science Standards: 6-ESS2-4, 6-ESS2-5, 6-ESS2-6

Sponsored by: **FLUOR**

**AND CHOOSE ONE of the Hooper Planetarium shows listed below**

#### “Tales of the Maya Skies”

Hooper Planetarium and Giant Dome Theater — 60 Minutes

“Tales of the Maya Skies” tells the story of how the ancient Maya interwove astronomy and culture to create a stable society that spanned 2,000 years, from 500 BC to 1500 AD. Mayan culture, life, architecture, and legends were intertwined with the ancient Maya’s scientific observation and recording of planetary movements.

Social Studies Standard: 6.2.CC

### OR

#### “Dynamic Earth”

Hooper Planetarium and Giant Dome Theater — 60 Minutes

In this highly engaging full-dome show, stunning satellite data visualizations and photorealistic animations are combined to provide unprecedented insights into the inner workings of Earth’s dynamic climate system and the influence that the Earth-Sun system, plate tectonics, and the carbon cycle has upon its energy trails and environmental systems.

Science Standards 6-ESS2-1, 6-ESS2-4, 6-ESS2-5, 6-ESS2-6

#### Both shows include “H2O Cycle”— 15 Minutes

Using live action videography students will be immersed in the steps of the water cycle using the backdrop of the Upstate of South Carolina.

Science Standards: 6-ESS2-4

Looking for “Hands-On Labs”?  
Check out the next page.



# MIDDLE SCHOOL HANDS-ON LEARNING LABS

**Schedule Up To 150 Students per day**  
**9:30am to 1:15pm**

Divide your classes into six groups to rotate through three different hands-on learning labs. Lunch will be scheduled as part of your visit.

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

## 6th Grade Organisms and Earth Systems Lab Experience

### Cataclysmic Collisions

Only Available January - April

Environmental Science and Sustainability Building

Three 55-minute learning labs

**Crater Chronicles, Cellular Collapse, Bones From the Blast-** Asteroids and comets in Earth's long history have struck earth creating cataclysmic events and causing mass extinctions. Paleontologist apprentices will be needed and trained to help look at present life forms, fossils of past life, and other clues to what events from these geoscience processes caused the extinction of most life forms - from one-celled organisms to dinosaurs. These apprentices will also model those impacts from catastrophic events that changed the earth's surface from the rising of large peaks to volcanoes and meteorite/comet impacts.

Science Standards: 6-LS1-1, 6-LS1-2, 6-ESS1-4, 6-ESS2-2



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Want to bring more students at once?  
Check out the Middle School Assembly  
combination

[CLICK HERE FOR REGISTRATION FORM](#)



# Roper Mountain

## 2023-2024 Middle School Scheduling Request Form

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

Questions? 864.355.8925

### Priority Registration Deadline August 25, 2023

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

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

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

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

### Coordinating Teachers

Total # of Students (for all teachers) \_\_\_\_\_

1 - Name: \_\_\_\_\_ Phone \_\_\_\_\_ E-mail: \_\_\_\_\_  
first last Please print clearly

2 - Name: \_\_\_\_\_ Phone \_\_\_\_\_ E-mail: \_\_\_\_\_  
first last Please print clearly

### Grade Level

Please rank (1-4) the months you prefer to visit. Do not rank months you are not willing to attend

6 7 8 \_\_\_ September/October \_\_\_ November/December \_\_\_ January/February \_\_\_ March/April

### Choose Your Program

Hands on Learning Labs

Assembly Combo

Either

Grades 6 & 7 may request a second visit based on availability.

Check here if you would like to be contacted for an additional visit.

#### Hands on Learning Labs

(Grade 6 & 7 only - max 150/day)

#### Grade 6

Cataclysmic Collisions

January - April only

#### Grade 7

EcoSolutions

September - January only

Ecology Survival Challenge

January - April only

#### Grade 8

Not Available

Lunch is scheduled as part of your visit.

#### Auditorium & Planetarium Assembly Combo

(Max 300/day)

#### Grade 6

Clouds, Climates and Catastrophes! AND

"Dynamic Earth" OR

"Tales of the Maya Skies"

#### Grade 7

Way Cool Science! and "Habitat Earth"

#### Grade 8

Forces, Impacts and Energy and

"Earth's Place in the Universe"

#### Optional Lunch - Assembly Combo Only

Lunch is available from our cafe immediately following your program. Check here to indicate if you will be staying for lunch.

Staying

Not Staying

### OFFICE USE ONLY

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

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

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