

# 7<sup>TH</sup>



## MIDDLE SCHOOL ASSEMBLY COMBINATIONS

### MATTER, ENERGY AND ECOSYSTEMS

**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.

## 7th Grade

### Way Cool Science!— Physical and Chemical Changes in Matter

Hipp Auditorium — Symmes Hall of Science — 60 Minutes

Watch your students' reactions as they classify unknown changes as physical or chemical through our exciting, interactive demonstrations! Witness fire, explosions and extreme temperatures. We'll explore physical properties, the law of conservation of matter, and witness the effects of dangerous temperatures on different states of matter. Students will get an up close and personal view of chemical reactions, changes in states of matter, and acids and bases revealed by dramatic indicator changes.

Science Standard: 7-PSI-2, 7-PSI-5

## AND

### “Habitat Earth” - Living in a Connected World

Hooper Planetarium and Giant Dome Theater - 60 Minutes

Living networks connect and support life forms large and small—from colonies of tiny microbes and populations of massive whales to ever-expanding human societies. Discover what it means to live in today's connected world. Dive below the ocean's surface to explore the dynamic relationships found in kelp forest ecosystems, travel beneath the forest floor to see how Earth's tallest trees rely on tiny fungi to survive, and journey to new heights to witness the intricate intersection between human and ecological networks.

Science Standards: 7-LS2-1, 7-LS2-2, 7-LS2-3

A 402 Roper Mountain Road  
Greenville, SC 29615

P 864.355.8900

**RoperMountain.org**



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

[CLICK HERE FOR REGISTRATION FORM](#)

# 7<sup>TH</sup>



## 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.

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

### 7th Grade Matter Lab Experience:

#### Chemistry: Make It Better With EcoSolutions

Only Available September - January

[Symmes Hall of Science](#)

[Three 55-minute learning labs](#)

Our products make the world better! Working through three separate investigations, students will:

- Generate hydrogen gas from water to use as a clean fuel
- Identify chemicals that were left unlabeled in an abandoned lab for safe disposal
- Test a natural, biodegradable alternative to a synthetic product

Throughout these investigations, students will make long-term decisions that help the environment while also maximizing profits. We need minds like yours to solve today's problems for a better tomorrow.

Science Standards: 7-PS1-2, 7-PS1-3, 7-PS1-5

Sponsored by: **FLUOR**

OR

### 7th Grade Ecosystem Lab Experience:

#### Ecology Survival Challenge

Only Available January - April

[Environmental Science and Sustainability Building](#)

[Three 55-minute learning labs](#)

Animal Threats, Chemical Threats, Eco Threats - The supervolcano that is located underneath Yellowstone National Park has erupted and a giant cloud of ash will reach Roper Mountain in 4 hours! Time is of the essence as students investigate animal behaviors, water quality, and limited resources to see how the environment would be affected by such a natural disaster.

Science Standards: 7-LS2-4, 7-LS2-1

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Want to bring more students at once?  
Check out the Middle School Assembly  
combination (page 18).

**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 23, 2024

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

2 - Name: \_\_\_\_\_ first last Phone \_\_\_\_\_ E-mail: \_\_\_\_\_ 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

#### Hands on Learning Labs (Grade 6 & 7 only - max 150/day)

##### Grade 6

Hands on Engineering

September - January only

Cataclysmic Collisions

January - April only

##### Grade 7

Chemistry

September - January only

Ecology Survival Challenge

January - April only

##### Grade 8

Not Available

#### 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 \_\_\_\_\_