

8TH



A 402 Roper Mountain Road
Greenville, SC 29615

P 864.355.8900

RoperMountain.org



MIDDLE SCHOOL ASSEMBLY COMBINATIONS

MOTION, WAVES, AND EARTH'S PLACE IN THE UNIVERSE

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.

8th Grade

Force, Impacts, and Energy

Hipp Auditorium — Symmes Hall of Science — 60 Minutes

The Force is Right! You could be the next contestant on our physical science themed game show! Check out our most thrilling physics demonstrations of waves, collisions, and forces! We'll observe and analyze collisions--some involving audience members! Get ready to see sound waves dancing--in fire! We will also test a giant electromagnet! How much can it lift? Get ready to see how much fun physics can be!

Science Standards: 8-PS2-1, 8-PS2-2, 8-PS2-3, 8-PS4-1

AND

"STARS" The Powerhouse of the Universe

Hooper Planetarium and Giant Dome Theater - 30 Minutes

Every star has a story. Stars release the energy that powers the universe. New stars are created every day, born of vast clouds of gas and dust. Journey to the farthest reaches of our galaxy and experience both the awesome beauty and destructive power of STARS. This dynamic program features the voice talent of Mark Hamill (A.K.A. Luke Skywalker). This program also features a short sky-talk including the current evening sky.

Science Standards: 8-ESS1-1

AND

Earth's Place in the Universe - "Live Sky" Visualizations

Hooper Planetarium and Giant Dome Theater - 30 Minutes

Using the latest in digital night sky simulation we will take a journey to investigate the mysteries of our solar system and beyond. Why does Earth stay in orbit? How often do the moon phases repeat? What is the difference between a lunar and a solar eclipse? We'll explore the answers to these questions and more in our immersive, giant 50-foot curved dome of the Planetarium. Students will walk away with a greater understanding of the Earth and Space Science Performance Expectations after this specially aligned lesson.

Science Standards: 8.ESS1-1, 8.ESS1-2, 8.ESS1-3

[CLICK HERE FOR REGISTRATION FORM](#)



Roper Mountain

2023-2024 Middle School Scheduling Request Form

Email form to: 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 _____