

8TH

Middle School Assembly Combinations



Schedule Up To 300 Students

9:30am to 12:30pm

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 \$10 for the assembly combination.

8th Grade

The New Wave: A Fresh Look at Energy

Hipp Auditorium – 60 Minutes

EQ: What is the relationship between energy and the behaviors of waves?

Students will dive into waves that surround us everywhere while exploring wave behaviors and interactions with matter. Exciting demonstrations using light, sound, and electricity will help students understand the reality of the waves that impact every aspect of the world they know. Catch the wave and change students' perspective on energy. **Science Standards: 8.P.3A.1; 8.P.3A.3**

AND

“STARS” The Powerhouses of the Universe Hooper Planetarium and Giant Dome Theater – 30 Minutes

EQ: How can we describe the features of different celestial bodies in our universe?

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 dramatic program features the voice talent of Mark Hamill (A.K.A. Luke Skywalker). This program also features a short star-talk including the current evening sky. **Science Standards: 8-E.4A.1 and 2; 8.E.4B.1-6**

Earth’s Place in the Universe - “Live Sky” Visualizations – 20 Minutes

EQ: Where is our Solar System’s place in the Universe? - 20 Minutes

Using the latest in digital night sky simulation we will take a visual tour of the solar system and the Milky Way galaxy. Visuals will illustrate important concepts in astronomy and encourage students to observe the current night sky.

Science Standards: 8.E.4A.1, 8.E.4B.1, 8.E.4B.3, 8.E.4B.4

Optional: Plate Tectonics Visualized – 10 Minutes

EQ: Where is our Solar System’s place in the Universe? 10 Minutes

We will visualize plate tectonics like never before using the latest in Earth Science Simulation software on the giant screen. “The Layered Earth” will help us support claims that plate tectonics account for earthquakes, volcanoes, mountains and other changes in landforms.

Science Standards: 8.E.5A.4, 8E.5A.5



**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. _____