



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.

7th Grade

Way Cool Science! – Physical and Chemical Changes in Matter

Hipp Auditorium – Symmes Hall of Science – 60 Minutes

EQ: How do physical changes compare to chemical changes that are the result of a chemical reaction?

Students will get an up close and personal view of changes in states of matter, the concept that matter is made up of moving atoms, and that matter can undergo both physical and chemical changes. Students will distinguish between acids and bases using indicators and will witness the effects of extreme temperatures on different states of matter. The interactive nature of the presentation enhances the exciting experiments. **Science Standard: 7.P.2B.4**

AND

“Habitat Earth” Living in a Connected World Hooper Planetarium and Giant Dome Theater - 30 Minutes

EQ: How can do life forms connect in an ever changing world?

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.EC.5A.1, 7.ED.5B.1

Optional: Visual Tour of the Human Body Systems - 15 Minutes

EQ: How can the visualization of Human Body Systems help us better understand how systems function together.

Take a stunning visual tour of the of human body systems using the latest in 3D interactive simulations - Zygote Body. The following systems will be visualized: Skeletal, Muscular, Circulatory and Nervous systems. Major organs will be also visualized as time permits. **Science Standards: 7.L.3B.2**



A 402 Roper Mountain Road
Greenville, SC 29615

P 864.355.8900 F 864.355.8948

RoperMountain.org





Middle School Learning Labs



Schedule Up To 150 Students
9:30am to 1:30pm

7th Grade

Up to 150 students will divide into six groups to rotate through three different hands on forensics learning labs. Using a CSI case and their inquiry skills, students discover more about chemical reactions, genetics, and blood typing. Lunch will be scheduled as part of your day.

FORENSICS: Case of the Missing Chef Symmes Hall of Science –
Three 60-minute learning labs

EQ: How can science be used to methodically establish identity?

Students are introduced to a case involving a missing chef. In three separate labs, students will act as forensic specialists, analyzing materials found at the crime scene. They will perform strawberry DNA extraction, evaluate DNA samples, determine blood type, and, in the chemistry component, analyze known and unknown materials found at the scene. At the end of the day, students will have enough information to argue a claim as to what happened to our missing chef!
Science Standards: 7.P.2B.3; 7.P.2B.4; 7.L.3B.1



**Roper Mountain
Science Center**

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 GREENVILLE COUNTY
SCHOOLS
Where Enlightening Strikes!



CRIME SCENE DO NOT CROSS



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.

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4. _____

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