

# 6<sup>TH</sup>

## Middle School Assembly Combinations



### Schedule Up To 300 Students

9:30am 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 \$10 for the assembly combination.

### 6th Grade

**I've got the Power! — Energy Transformations** Hipp Auditorium — Symmes Hall of Science — 60 Minutes

This program will demonstrate the Law of Conservation of Energy, giving students a greater understanding of energy and its relation to the world we live in. Join us as we identify the sources of heat, chemical, and electrical energy and how this energy can be transformed from one form to another. Then experience how powerful this transformation can be! Student volunteers will assist in the demonstrations. **Science Standards: 6.P.3A.1, 6.P.3A.2**

**AND** 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: 6-4.3** Sponsored by: **FLUOR**

**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.E.2A.2, 6E.2B**

**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. The very popular review is set to "rap." You may find yourself humming it on the way back to school!

**Science Standards: 6.E.2A.3**



**Roper Mountain  
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[RoperMountain.org](http://RoperMountain.org)

 **GREENVILLE COUNTY  
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## Middle School Learning Labs



### Schedule Up To 150 Students

9:30am to 1:30pm

### 6th Grade

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

#### STEM Lab — The Power to Survive Symmes Hall of Science — Three 60-minute learning labs

The power is out; communications are down: How will you survive? In this three-part STEM lab, students will engage in hands-on learning to explore energy transformations and conservation of energy. Can wind energy supply the electricity needs? Is solar energy an option? Student teams will analyze data, solve problems, and then design and create solutions for survival through exploring generators, electromagnets and circuits. The interactive labs will include real-time solar energy production. Do your students have what it takes to survive?

Science Standards: 6.P.3.A.1; 6.P.3A.3; 6.S.1A.2; 6.S.1A.4; 6.S.1A.6

Made possible by: 



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