



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.

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! Along the way they will explore physical properties, form conclusions about the law of conservation of matter, and delve into the effects of extreme temperature 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.P.2B.1, 7.P.2B.4**

AND

“Habitat Earth” Living in a Connected World Hooper Planetarium and Giant Dome Theater - 45 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.EC.5A.1, 7.ED.5B.1

In addition, students will also experience:

Ecosystems - 15 Minutes

Ewww, a maggot. But it's only a decomposer! Students love to be “grossed out” and at the same time they will learn about the many important roles of living and non-living factors in an ecosystem. The show includes seventh grade terminology such as abiotic, consumer, community, omnivore, food web and many more - from the types of ecosystems to the roles of plants and animals and how it all interrelates.

Science Standards: 7.EC.5A.1, 7.ED.5B.1



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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

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; 7.L.4A.1



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CRIME SCENE DO NOT CROSS