



# Seventh Grade South Carolina Programs

## MONTHLY PROGRAM PAIRINGS

| OCTOBER & NOVEMBER   | JANUARY & FEBRUARY  | SEPTEMBER, APRIL & MAY     |
|--|---|----------------------------|
| *Grossology and You<br>Center of the Atom<br>Meet the Elements<br>Modeling Atoms | *Grossology and You<br>Are You Dense?<br>Changes Matter<br>Modeling Atoms<br>Ravenous Raptors | Ecohike in Hitchcock Woods |

## PLANETARIUM PROGRAMS

### GROSSOLOGY AND YOU Months offered: OCTOBER, NOVEMBER, JANUARY & FEBRUARY

Join Noreen Neuron, host of the "Personal Universe" game show, as she leads us through a competition to decide which body system is the best and brightest. Will it be Scabby (the immune system), Boogie (the respiratory system) or Flatus (the digestive system)? Standards: 7.L.3B.1, 7.L.3B.2

## DISCOVERY PROGRAMS

### ARE YOU DENSE? Months offered: JANUARY & FEBRUARY

Students explore density using Earth materials including minerals, water, sand, and iron filings. They will take measurements, collect data, plot coordinates, and interpret graphs as they analyze the mathematical relationship between mass and volume. Standards: 7.P.2B.1, 7.P.2B.2

### CENTER OF THE ATOM Months offered: OCTOBER & NOVEMBER

Students explore atomic structure using a series of hands-on activities which concludes with the discovery of the uses of an atom they create using the Interactive Nucleus display and the Living Periodic Table. Standards: 7.P.2A.1, 7.P.2A.2

### CHANGES MATTER Months offered: JANUARY & FEBRUARY

Students explore physical and chemical properties of matter. They compare physical and chemical changes and experience reactivity through experiments and an "igniting" demonstration! Standards: 7.P.2B.1, 7.P.2B.4

### MEET THE ELEMENTS Months offered: OCTOBER & NOVEMBER

Students "meet the elements" in a fun music video; then work together to classify materials as elements, compounds and mixtures. They will build atomic models and discover why compounds are either ionic or covalent. Standards: 7.P.2A.3, 7.P.2A.4

### MODELING ATOMS Months offered: OCTOBER, NOVEMBER, JANUARY & FEBRUARY

Modeling Atoms allows students to visualize the makeup of an atom in three-dimensional space by creating models of the subatomic particles that make up an atom. Students will learn concepts about atoms, molecules, and isotopes through drawing and constructing models of atoms. Standards: 7-PS1-1 (2021)



# Seventh Grade

## SC Programs Continued...

### DISCOVERY PROGRAMS

#### **RAVENOUS RAPTORS** Months offered: JANUARY & FEBRUARY

What is a raptor? How is an osprey's talon different from an owl's? Students will take an up-close look at birds of prey and examine their role in the food chain. Using field guides and wing/talon specimens we will compare and contrast physical characteristics, adaptations and habitats of these predators. Standards: 7.E.5A.1, 7.E.5B.1, 7.E.5B.2

### OUTDOOR EXTENDED HOUR PROGRAM

#### **ECOHIKE IN HITCHCOCK WOODS** Months offered: SEPTEMBER, APRIL & MAY

This is a two-hour, two-mile guided hike through Hitchcock Woods. Native plants will be identified, evidence of animal life will be examined, and forest communities will be compared. Standards: 7.E.5A.1, 7.E.5B.1, 7.E.5B.