



Seventh Grade South Carolina Programs

MONTHLY PROGRAM PAIRINGS

OCTOBER	NOVEMBER	JANUARY & FEBRUARY	SEPTEMBER, APRIL & MAY
*Grossology and You Center of the Atom Meet the Elements Radioecology	*Grossology and You Center of the Atom Meet the Elements	*Grossology and You Are You Dense? Changes Matter 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

RADIOECOLOGY **Month offered: OCTOBER**

Learn what happens when radionuclides and ecosystems meet with the Savannah River Ecology Laboratory scientists. The SREL has the only radioecology undergraduate education program in the world. Challenge the myths and learn the facts about radioecology from research conducted at the SRS in Aiken, South Carolina, the Chernobyl Exclusion Zone in Russia, and the Fukushima Daiichi accident in Japan. Standards: 7.EC.5A, 7.EC.5B



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.