



# High School South Carolina Programs

## Monthly Program Pairings

OCTOBER	NOVEMBER	JANUARY	FEBRUARY	SEPT., MARCH, APRIL & MAY
*Sunstruck Center of the Atom Probing Periodic Table Radioecology	*Sunstruck Center of the Atom Probing Periodic Table	*Sunstruck Center of the Atom Lunar Design Challenge	*Sunstruck Center of the Atom Changes Matter	Ecohike in Hitchcock Woods

## PLANETARIUM PROGRAMS

### SUNSTRUCK Months offered: OCTOBER, NOVEMBER, JANUARY & FEBRUARY

Discover the wonders of our sun! Its incredible energy supports life on Earth, but solar storms can threaten our technology and way of life. Discover connections between sunspots, magnetic fields, aurora, and power failures. Travel to the distant future to discover our sun’s connection to the cosmic cycle of life and death. Standards: H.E.2A, H.E.2B

## DISCOVERY PROGRAMS

### CENTER OF THE ATOM Months offered: OCTOBER, NOVEMBER, JANUARY & FEBRUARY

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: H.C.3A, H.P.3G

### CHANGES MATTER Month offered: 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: H.C.6

### LUNAR DESIGN CHALLENGE Month offered: JANUARY

Students will design, build, and test a Lunar Buggy to transport astronauts and cargo on the Moon. They will collect and analyze data, take measurements, and refine their models using the Engineering Design Process. Standards: HP.1.A

### PROBING THE PERIODIC TABLE Months offered: OCTOBER & NOVEMBER

This program demystifies the periodic table and makes learning about atoms fun! Students grasp the organization of the periodic table as they construct a Periodic Table of Foods. Then, they build atomic models and use them to find patterns in the structure and behavior of elements. Standards: H.C.3A, H.P.3G

### 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: H.B.6D, H.C.2B



# High School

## SC Programs Continued ...

### OUTDOOR EXTENDED HOUR PROGRAM

#### ECOHIKE IN HITCHCOCK WOODS **Months offered: SEPTEMBER, MARCH, 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: H.B.6A, H.B.6C