



# High School South Carolina Programs

## Monthly Program Pairings

OCTOBER & NOVEMBER	JANUARY	FEBRUARY	SEPT., MARCH, APRIL & MAY
*Sunstruck Center of the Atom Probing Periodic Table Modeling Atoms Radiation All Around Us	*Sunstruck Center of the Atom Lunar Design Challenge Modeling Atoms Radiation All Around Us	*Sunstruck Center of the Atom Changes Matter Modeling Atoms Radiation All Around Us	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

### 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: P-PS2-6 (2021)

### 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

### RADIATION ALL AROUND US Months offered: OCTOBER, NOVEMBER, JANUARY & FEBRUARY

Radiation All Around Us explores forms of radiation, natural and manmade, and how this invisible energy can be understood as both hazardous and helpful. Learn how nuclear workers at Savannah River Site protect themselves and the public from dangerous radiation. Standards: P-PS4-4; P-PS-4-5 (2021)



# 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