High School
Georgia Programs

Monthly Program Pairings

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<th>OCTOBER</th>
<th>NOVEMBER</th>
<th>JANUARY</th>
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<th>SEPTEMBER, MARCH, APRIL &amp; MAY</th>
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<td>*Sunstruck Center of the Atom Lunar Design Challenge</td>
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**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: SES1

**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: SC1, SC3

**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: SC3

**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: SP2

**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: SB5, SEV1

**PROBING THE PERIODIC TABLE**  Month 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: SC1, SC3

Ruth Patrick Science Education Center – Student Programs 2019-2020
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: SB5, SEV1