



# Sixth Grade Georgia Programs

## MONTHLY PROGRAM PAIRINGS

SEPTEMBER & OCTOBER	NOVEMBER & DECEMBER
*Sunstruck Energy Transformations Rockin' & Rollin'	*Sunstruck Kinesthetic Astronomy Lunar Design Challenge Under the Sea

## PLANETARIUM PROGRAMS

### SUNSTRUCK Months offered: SEPTEMBER, OCTOBER, NOVEMBER & DECEMBER

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: S6E1.c, S6E2.a, S6E6.c

## DISCOVERY PROGRAMS

### ENERGY TRANSFORMATIONS Months offered: SEPTEMBER & OCTOBER

Students will build and power circuits using different energy sources such as chemical, mechanical and thermal. Explore the benefits of solar panels and learn how clean energy is the way of the future! Program Sponsored by: SCANA Standards: S6E6.a

### KINESTHETIC ASTRONOMY Months offered: NOVEMBER & DECEMBER

Students get a feel for the scale of the universe as they sort celestial objects; then they model the Earth, Moon and Sun. They will discover why stars appear to move across the sky each day/night, why we see different stars during the year and how Earth's tilt causes seasons. Standards: S6E1.a, S6E1.b, S6E1.c

### LUNAR DESIGN CHALLENGE Months offered: NOVEMBER & DECEMBER

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: MGSE.6.RP.3d

### ROCKIN' & ROLLIN' Months offered: SEPTEMBER & OCTOBER

Students observe excellent specimens of igneous, sedimentary and metamorphic rocks. They compare physical properties, relate properties to formation processes, and examine sand derived from various rocks. They also classify fossils and products of Earth resources. Standards: S6E5.a, S6E5.c, S6E5.d, S6E5.e, S6E5.f

### UNDER THE SEA Months offered: NOVEMBER & DECEMBER

In this deep-sea mapping expedition, students use depth probes, look for patterns, make inferences and map the ocean floor using a large 3D Landforms Puzzle. They compare continental landforms with oceanic landforms, discuss constructive and destructive processes, and discover connections between landforms and plate tectonics. Standards: S6E3.a, S6E3.c