Fifth Grade
South Carolina Programs

MONTHLY PROGRAM PAIRINGS

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PLANETARIUM PROGRAMS

DEFYING GRAVITY: IT IS ROCKET SCIENCE Months offered: DECEMBER, JANUARY, FEBRUARY & MARCH
Join host Apollo Aurora and her science reporters as they explore the science behind rocket power, gravity on other planets, and even monstrous black holes! Robot experts Apple I-6-8-6 and EGR-1 will also lend a few circuits to explain the force that keeps us humans all grounded. Well, some of the time! Standards: 5.P.5A.1, 5.P.5A.2

DISCOVERY PROGRAMS

CSI: SOLUTIONS Months offered: FEBRUARY & MARCH
Scotty’s dog is missing! Students use chromatography and sifting to separate mixtures; use indicators to make solutions and identify a mystery substance; and examine hair and fiber samples with microscopes in a simulated crime scene investigation. Standards: 5.P.2B.1, 5.P.2B.3, 5.P.2B.6

POLYGON PUZZLE Months offered: DECEMBER, JANUARY
Students will explore properties of Greek roots of polygons and polyhedrons. Using dynamic computer software called Geometer’s Sketch Pad they will be challenged to solve a puzzle as they construct acute, obtuse, right, isosceles, equilateral, and scalene triangles. Standards: Mathematics 5.G.3, 5.G.4

RAVENOUS RAPTORS Months offered: DECEMBER & JANUARY
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: 5.L.4A.2, 5.L.4B.1, 5.L.4B.3, 5.L.4B.4

SIMPLE MACHINES Months offered: FEBRUARY & MARCH
Students will conduct investigations to distinguish between force and work, and mass and weight. They will demonstrate how simple machines such as levers, pulleys, and inclined planes reduce the amount of force needed to do work. Standards: 5.P.5A.1, 5.P.5A.3, 5.P.5A.4.

UNDER THE SEA Months offered: DECEMBER & JANUARY
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: 5.E.3A.2, 5.E.3B.1, 5.E.3B.2
VARIABLE VENTURES  Months offered: FEBRUARY & MARCH
Students identify different types of mixtures and work in collaborative teams to make various solutions. They manipulate variables to change the rate of dissolving. Standards: 5.P.2B.1, 5.P.2B.3, 5.P.2B.4, 5.P.2B.5

ECOHIKE IN HITCHCOCK WOODS  Months offered: SEPTEMBER, OCTOBER, 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: 5.L.4A.1, 5.L.4A.2, 5.L.4B.1, 5.L.4B.2, 5.L.4B.3, 5.L.4B.4