



Fifth Grade

South Carolina Programs

MONTHLY PROGRAM PAIRINGS

SEPTEMBER & OCTOBER	DECEMBER & JANUARY	FEBRUARY & MARCH	APRIL & MAY
Ecohike in Hitchcock Woods	*Defying Gravity Polygon Puzzle Ravenous Raptors Under the Sea	*Defying Gravity CSI: Solutions Simple Machines Variable Ventures	Ecohike in Hitchcock Woods

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



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SC Programs Continued...

DISCOVERY PROGRAMS

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

OUTDOOR EXTENDED HOUR PROGRAM

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