



# 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 Variable Ventures Polygon Puzzle	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

### 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

### 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

### POLYGON PUZZLE Months offered: DECEMBER, JANUARY, FEBRUARY & MARCH

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



# Fifth Grade

## SC Programs Continued...

### 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