



Fifth Grade Georgia Programs

MONTHLY PROGRAM PAIRINGS

DECEMBER & JANUARY	FEBRUARY & MARCH	SEPTEMBER, OCTOBER, APRIL & MAY
*Defying Gravity Changes Matter Polygon Puzzle Vertebrate Taxonomy	*Defying Gravity CSI: Solutions Circuit City 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: Social Studies SS5H8.d

DISCOVERY PROGRAMS

CHANGES MATTER **Months offered: DECEMBER & JANUARY**

Students explore physical and chemical properties of matter. They compare physical and chemical changes and experience reactivity through experiments and "igniting" demonstrations! Standards: S5P1.a, S5P1.b, S5P1.c

CIRCUIT CITY **Months offered: FEBRUARY & MARCH**

Students will utilize batteries, light bulbs, wires, and motorized fans to construct multiple circuits. They will explore the difference between circuits and how electric currents can produce light, heat, sound and motion. Standards: S5P2.a, S5P2.b, S5P2.c

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: S5P1.a, S5P1.c

POLYGON PUZZLE **Month 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 MGSE5.G.3, MGSE5.G.4

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: S5P1.a, S5P1.b

VERTEBRATE TAXONOMY **Months offered: DECEMBER & JANUARY**

Students will participate in hands-on taxonomy activities as well as take a look inside the 5 groups of vertebrates using x-ray images. They will interact and observe live animals including salamanders, frogs/toads, turtles, snakes, an alligator, and an owl. Standards: S5L1.a



Fifth Grade

Georgia 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: S5L1.a, S5L1.b