



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 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

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

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