5th

Fifth Grade
Georgia Programs

MONTHLY PROGRAM PAIRINGS

<table>
<thead>
<tr>
<th>DECEMBER &amp; JANUARY</th>
<th>FEBRUARY &amp; MARCH</th>
<th>SEPTEMBER, OCTOBER, APRIL &amp; MAY</th>
</tr>
</thead>
<tbody>
<tr>
<td>*Defying Gravity</td>
<td>*Defying Gravity</td>
<td>Ecohike in Hitchcock Woods</td>
</tr>
<tr>
<td>Changes Matter</td>
<td>CSI: Solutions</td>
<td></td>
</tr>
<tr>
<td>Polygon Puzzle</td>
<td>Variable Ventures</td>
<td></td>
</tr>
<tr>
<td>Vertebrate Taxonomy</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

PLANETARIUM PROGRAMS

DEFYING GRAVITY: IT IS ROCKET SCIENCE

Defying Gravity

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