

Hands on Science – Fall 2019 Syllabus

We will be studying Physical Science and Chemistry this year.

September 6 – Catapults and Slingshots

The students will construct their own catapults and learn how to use stored energy and stored elastic energy to hurl an object, without the use of an explosive!

September 20 – Color

The students will explore the world of color. The older classes will learn the differences between an acid and a base.

October 4 – Newton’s First and Second Laws

Students will learn about Newton’s attempts to describe and explain motion. They will learn what the “Lazy Law” is and do some experiments to better understand the science behind the motion of things.

October 18 – Newton’s Third Law

Students will experiment with balloon rockets and learn why that “for every action there is an equal and opposite reaction”.

November 1 – Pendulums

Students will construct their own pendulums to better understand the “Law of Swings”.

November 15 – Light: Prisms, Colors, Kaleidoscopes...Oh My!

Students will create their own kaleidoscopes to see what happens when light bends.

December 9 – Sound

Students will experience different ways to “feel/see” sound and learn how sound energy travels.