



Mad Science Summer Camps at Roxbury High School (July - August 2018)

Full Day Camp

**July 30-Aug. 3 9:30am-4:30pm Cost \$325
Brixology (Grades 1-5)**

This STEM program allows kids to step into the shoes of an engineer by using LEGO® bricks to build a different engineering-themed projects in each class; exploring engineering fields including mechanical, structural, aerospace, nautical, and bioengineering; using critical thinking, cooperation, and creative problem-solving to test and improve creations; and experiencing extended learning with a take home project to reinforce each concept.

Invention-ation

Campers will overcome a series of challenges using basic materials, simple machines, tips from famous inventors and the most important of all - their mind. With a little bit of ingenuity, campers will create catapults and forts, construct working light sticks to bring home and a set of circuits with batteries and light bulbs. While Thomas Edison said invention is 10% inspiration and 90% perspiration, this camp is 100% FUN!

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Full Day Camp

August 6-10 9:30am-4:30pm Cost \$325

***Slimy Potions (Grades 1-5)**

Let's explore the depths of the Mad Science Laboratory where we harness the marvelous powers of liquids! In our Mad Science lab we will explore the PH Scale, participate in the Dry Ice Capades and the Slime Olympics! Learn the secret of making tootsie rolls at home! Make bath fizzers, sidewalk chalk and more! Join us for a Mad "hands-on" experience as a Junior Mad Scientist! *Food products are used in this class.

Spy Academy

Step into the shoes of a detective-uncover the science involved in evidence gathering and analysis. Get into

gear with Agent undercover and learn what it takes to be successful in the spy world. Connect the dots using science to help solve a crime in a hands-on investigation of the science of sleuthing. Test your skills and learn how the pros do it through careful observation and techniques to handle evidence properly.. Analyze clues and get hot on the trail of a culprit with the Crime Lab program. It's all here at the Mad Science Spy Academy!

Mad Science Summer Camps at Roxbury High School (August 2018)

Full Day Camp

August 13-17 9:30am-4:30pm Cost \$325

NASA Academy of Future Space Explorers (Grades 1-5)

Students set off on a voyage to discover the Solar System. We will explore topics such as Planets and Moons, Sun and Stars, Space Phenomena, Rocket Science and Space Travel, Space Technology and Living in Space! Our camp culminates with a rocket launch or two and each camper will make their own Mad Science Rocket to take home!

Fantastic Forces! (Grades 1-5)

This camp is extremely awesome!! Learn all about electricity, its properties and how we use it every day!! Jump in and investigate inertia, gravity, and centripetal force. Let's join Bernoulli and Newton as we look into their work in aerodynamics and the properties of air!!! We will play Mad Science Air Hockey, Generate Vortex generators, and defy gravity as we levitate a ping pong ball!! Don't crack as we come Under Pressure!! We might even show you some of the scientific secrets of weather and magnets!

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Full Day Camp

August 20-24 9:30am-4:30pm Cost \$325

Experimentamania (Grades 1-5)

Let's Experiment! We will explore optical Illusions, learn some of the secrets of kitchen chemistry, the senses and heat!! Just when they thought they've had all the awesome science they can handle, its time for Mad Machines, bugs and electricity! We will also explore the amazing forces of nature and so much more! Fun Take Home included!

Mad vs. Wild (Grades 1-5)

Let's start with the basics of the scientific method! What does a scientist use to gather information and make decisions? We'll investigate Animal Tracks, analyze owl pellets, create Tie-dye t-shirts & learn about bugs and insects.

