



# Mad Science Afterschool Programs



Mad Science Afterschool programs are designed to spark imaginative learning for elementary-aged children. Each program is one hour long and has exciting hands-on activities, amazing take-homes and spectacular demonstrations! Classes can be grouped to meet your summer camp needs.

## Acids & Bases

Uncover the secrets of chemistry and the effects acids and bases have on our daily lives. Make your own CO<sub>2</sub> fire extinguisher, and watch as a film canister pops using an acid and a base!

## Dry Ice

Explore the 3 states of matter. Build a giant bubbling potion, carbonate plain drinking water and create the same awesome smoke illusions used in the movies.

## Matter of Fact

Investigate the ingredients of the universe! Build your own marshmallow molecules! Turn a nickel into gold (well, almost)...and make your own Mad Science Putty!

## Magnetic Magic

Investigate the powers and daily uses of magnets. Test for electro- magnetic fields and then use what you have learned to build your own compass

## Detective Science

Discover how science is used to solve real crimes! Children will even take home their very own Identification Kit. It's so much fun, it's criminal!

## Watts Up

Learn about electricity, its properties and its role in natural phenomena. Make indoor lightning while conducting hair-raising experiments with our electro-static generator...

## Bugs!

Explore the world's most abundant animal! Insect defenses and their role in ecosystems will be explored in fun, hands-on activities as they learn about these creatures.

## Optical Illusions

Build your own periscope while learning about optics, reflection and sight. Watch celebrity images change before your very eyes! Seeing is not always believing...

## Lights...Color...Action!

Uncover the hidden components in ordinary light and build your own Newton's color wheel to prove it. Attend a spectacular chemical energy display!

## Tantalizing Taste

Experiment with taste sensations while "mapping" out your tongue. Compare your sense of smell and taste. Carbonate and taste your very own soda pop and take the "Mad Science" taste challenge...

## Sonic Sounds

Discover sound, sound waves and the way household items can be used to create amazing movie effects. Use our multi-effects processor to alter your voice, with cool special effects...

## Harnessing Heat

Witness a mini rocket launch while learning the properties of heat. Change the states of matter, turn solid candy into floss and make your very own cotton candy that you can eat!

## Che-Mystery

Eliminate the mystery in chemistry! Explore one of the most exciting and fundamental sciences as you grow a crazy crystal garden and make "Magic Mud"

## "Current" Events

Take a tour on the electron freeway! Learn about the world of electricity while building your own electrical circuits to test your nerves or light up a lightning bug.

## Fun-damental Forces

Gravity... Inertia... Centripetal force... We'll experience these awesome forces for ourselves and build some cool devices to watch them at work!

## Science of Magic

Magic? No... It's science! You'll learn the science and logic secrets behind famous magic that you can recreate for yourself!

## Super Structures

Discover the strengths of shapes and how they're used in buildings. Use teamwork to make your own super structures as well as an earthquake-proof building!

## Stunt Planes

Follow in the Wright Brothers steps and learn the fundamental principles of flight. Build a stunt plane and affect the way it flies by using control surfaces.

## Under Pressure

Take an exciting look at the science behind aerodynamics and properties of air. Use vortex generators to move air and levitate ping-pong balls in defiance of gravity!

## Wacky Waves

Create your own multi-density wave bottles while learning about water, waves and the environment. Simulate the effects of an oil spill and develop techniques to clean it up!

## Earthworks

Take a voyage to the center of the Earth! We'll investigate the powerful processes that shape the planet and form remarkable rocks, magnificent minerals, and glittering gems!

## Dirt on Garbage

Learn how garbage affects the environment and what we can do to make it better. Examine materials and how they decompose. Create environmental art!

## Movie Effects

We're going to learn first-hand how advances in science and technology are behind our favorite special effects. Children will take home their own Mad Science animator.

## Mad Science Machines

Young engineers work together with pulleys and levers. Children will have fun problem-solving, designing and testing just like real engineers and make a cool Mad Science machine

## Science of Toys

Children will discover the science behind some of their favorite toys in this fun program This explains yo-yo tricks, the amazing "String Thing," and much more!

## Correlations to Illinois Learning Standards Available

## Walloping Weather

Discover how storms develop, and how powerful they can be! Junior meteorologists will make forecasts and can consult their personal UV detectors to check whether it's time to cover up

Contact us today to schedule Afterschool Programs for your school or camp!  
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