



After-school programs



Mad Science is sponsored by Bridgton Recreation

ENERGIZE IT!

Program Description: Hop on board the Mad Science express for a high-speed, hands-on science experience guaranteed to energize your mind! Explore the many facets of energy, forces, motion, potions, and yes...slime! Reach for your potential and ramp up your thinking about energy with gadgets, cars, and catapults. Discover how to make objects disappear and reappear as we unravel the mysteries of magic using science. Slide down the colorful pH scale and make liquids bubble, fizz, and pop. Learn the physics of optical illusions and build your very own periscope. Ooze into a gooey hour of sliming around as you discover the slimy properties of your favorite polymer. Act out hot molecule movements and discover some unusual applications of glow-in-the-dark technology. Explore forces by making centrifuges, spinning gyroscopes, and building your own center of gravity game to take home. This program is so energizing, even gravity can't keep you down! Put your seat belt on...these energetic classes are going to make you have a blast!



PROGRAM INFORMATION

LOCATION: Stevens Brook Elementary School

DAY: Monday

DATES: 10/2-12/4/17 (8 WEEKS) No class on 10/9 and 11/20/17

TIME: 3:15-4:15 pm

ROOM: Art Room

GRADES: K-5th

COST: \$75.00

MINIMUM/MAXIMUM: 12/20

REGISTRATION DEADLINE: 9/25/17

REGISTER in person at 3 Chase Street, Suite 1 in Bridgton
Or call 207-647-8786 today!



www.maine.madscience.org

MAD SCIENCE OF MAINE

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WE HAVE FUN DOWN TO A SCIENCE!

CLASS DESCRIPTIONS

Energy Burst!- Explore the energy of motion with devices that hop, swim, and swing. Have fun with kinetic energy exploring toys that pop, jump, and flip. Put rubber-band powered gadgets into motion and launch marbles across the room. Reach your potential when you build a Catapult to take-home.

Optical Illusions- Take part in this topsy-turvy class that will challenge you to see the physics of optical illusions. Discover a twisting coil that climbs up and down, manipulate flexible mirrors, and explore the world with inversed vision. Create your own illusions and construct a Mad Science Periscope to take home.

Science of Magic- Learn how magicians use our assumptions and perceptions about how the world works to entertain us. Discover how to make objects disappear and reappear using optical illusions, polymers, mirrors, sleight-of-hand, and misdirection. Build a Curious Cube take-home so you can bring home the magic to mystify your friends and family.

Slime Time-The Mad Science Slime recipe is revealed in this ooey gooeey chemistry class! Polymer paper clips and cross-linking magnetic marbles reveal the components of slime. Various concoctions of slime will be stirred up in scientific style and their properties tested in the team spirited activity of Slime Olympics! Take home nothing other than...SLIME!

The Glow Show- Explore how we perceive light and get hands-on with a tricolor experiment. Make objects fluoresce, witness the glowing effects of phosphorescence, find out the commercial applications of glow-in-the-dark products, and watch us create a flashlight with a chemical reaction. Take home a Glow Card and make its scientific shapes glow.

Fun-damental Forces- Learn what gravity, inertia, and centripetal force have in common in a series of experiments that will give you the force! Feel the pull of precession with the bike wheel gyroscope, play a balancing game, and make a centripetal force apparatus that will make you spin. Strike the perfect balance with your own Gravity Game take-home.

PHphactor- Explore the crazy chemistry of acids and bases. Make colorful reactions using acids and witness the popping power of CO₂. Take on the challenge to bring a mystery liquid to a perfect pH balance. Take home a Stopper-Popper to create endless reactions in your kitchen.

Harnessing Heat- Learn all about heat and heat transfer. Act out hot and cool molecule movements. Experiment with a pair of unequal copper pipes to feel heat change, conduct hot and cold chemical reactions, and work with your group to build a thermometer. Take-home a temperature-sensitive Heat Card that reacts to your hot hands!



Spark your child's imagination when school is out! Our After-School programs offer unique and engaging hands-on science experiences for your child. They will engage in exciting hands-on activities, watch spectacular demonstrations, participate in inquiry-based discussions, and take home correlated projects for extended learning opportunities at home. Visit our webpage to learn more:
maine.madscience.org/afterschool-enrichment-info.aspx

OUR MISSION

Mad Science is on a mission to spark the imagination and curiosity of children by providing them with fun, interactive and educational programs that instill a clear understanding about science and how it affects their world.

PROGRAM POLICIES

- ☼ Registration and Payment must be processed by Bridgton Recreation. Please do not give payment to your child's school.
- ☼ Program fee must be paid in full one week prior to the start of the class.
- ☼ A \$20 fee will be charged for any bounced checks.
- ☼ Please pick your child up promptly at the classroom door upon dismissal.
- ☼ LATE PICKUP will be charged at the rate of \$1.00 per minute and must be paid in cash/check directly to the Mad Scientist prior to the start of the next class in order for your child to continue.
- ☼ A minimum of 12 children per class must be met in order for the class to run.
- ☼ All supplies and materials are included in the class fee.
- ☼ Mad Science has a zero-tolerance policy regarding violence of any kind.
- ☼ Mad Science is not responsible for children before or after the stated class times.
- ☼ Mad Science will contact you prior to the start of the program to confirm your child's registration.

Register with Bridgton Rec: Call 647-8786 today or register in person at 3 Chase St., Suite 1, Bridgton

Registration Deadline: 9/25/17

School: Stevens Brook Elementary School Program Name & Length: Energize It! 8 Weeks

Child's Name: _____ Date of Birth: ___ / ___ / ___ Grade/Teacher: _____

Parents Name: _____ Email: _____

Home Phone: (____) _____ - _____ Work Phone: (____) _____ - _____ Cell Phone: (____) _____ - _____

Address, City, & Zip: _____

Emergency Contacts- Name and Phone(s): Name 1: _____ Phone 1: _____ Phone 2: _____

My child will be picked up after class by: _____

My child will attend after-school day care at the school My child will be traveling home by his/her own means

Health Concerns or Special Needs: _____

I hereby give my child permission to remain after school for the Mad Science class.

Parent's Signature: _____ Date: ___ / ___ / _____

Program Cost: \$75 Check Make checks payable to: Bridgton Recreation

Credit Card Visa Master Card #: _____ Expiration: ___ / ___ Security Code: ___

Name as it Appears on the Card: _____

Signature: _____