



# MAD SCIENCE® Enrichment Program

## COURSE REGISTRATION FORM



### Winter 2019

### Sparking Imaginative Learning



#### Magnetic Magic

Investigate the power and daily uses of magnets. Learn about polarity, visualize magnetic fields, and learn how to magnetize ordinary metals. Find out how a compass works, and test a powerful electromagnet. Bring home the cool "Mad Science Magnet Lab".

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

See all the colors in white light by using Newton's color theory concepts with a color wheel and prism-splitting spectrums. Use spectroscopes, ultraviolet light and witness the wonders of chromatography! Build your own "Mad Science Technicolor Blender".

#### Optical Illusions

Build your own "Mad Science Periscope" while learning about optics, reflection and sight. Trick your brain through your eyes, and learn the physics behind optical illusions! Seeing is not always believing...as this fast paced and very entertaining workshop demonstrates.

#### Sonic Sounds

Discover sound, sound waves, and use ordinary objects to create a sound symphony! Use our multi-effects processor to alter your voice, resulting in lots of cool special effects. Electronic distortions link shifting frequencies to voice alterations, and bring home your very own "Mad Science Sonic Horn".

#### Watts-Up!

Discover the world of static electricity! Learn about the phenomenon of lightning, how it works, and how to avoid meeting with it up close! Experiment with static electric charges, indoor lightning, and observe how the Van de Graff generator allows for a hair-raising experience. Make your own "Mad Science Static Stick".

#### Harnessing Heat

Learn how both heat and temperature are affected by molecular movement. Use thermometers and watch demonstrations with thawing blocks and a heat gun. Heat-induced experiments show the relativity of temperature. Explore materials that transfer heat at different rates and take home a "Mad Science Heat Sheet".

#### Mission Nutrition

Learn about nutrition and fitness while focusing on a healthy diet and lifestyle.

#### Tantalizing Taste

Learn how taste and smell are interrelated. Find out who are supertasters! Be treated to a demonstration of how your favorite sodas are carbonated.

**Workshop topics as well as the order in which they are presented may be subject to change**

## Garden City Department of Recreation and Parks

is proud to present

### MAD SCIENCE of LONG ISLAND

Classes for grades K - 3

**Tuesdays 4:00 PM**

**St. Paul's Center**

**Jan 29 Feb 5, 12, 26 Mar 5, 12**

**6 weeks... \$140 per student**

(Includes all materials & take-homes) Space is limited to 20 children, and it will be assigned on a first come first served basis. **No Refunds**

[www.MadScienceLi.org](http://www.MadScienceLi.org)



Item # IASPF7

### MAD SCIENCE FOR GRADES K-3

NAME \_\_\_\_\_ AGE \_\_\_\_\_ BIRTHDATE \_\_\_\_\_

GRADE \_\_\_\_\_ ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

EMERGENCY NUMBER \_\_\_\_\_ EMAIL \_\_\_\_\_

I certify that my child is in good health and able to participate in the activities listed above. I understand that there are risks associated with participating in these activities and hold harmless the Inc. Village of Garden City, its officers, agents, and employees.

Parent/guardian Signature \_\_\_\_\_



\$140, checks only made payable to "Mad Science of Long Island"

