

# IS YOUR CHILD "MAD" ABOUT SCIENCE?

We are excited to partner with **Mad Science of the Capital District** to offer the following outstanding and unique science programs! All programs are curriculum-correlated and meet S.T.E.M. (Science, Technology, Engineering, and Mathematics) objectives. Professional equipment and materials will be used. All supplies are included. These programs will encourage team-building, as we work collaboratively to solve real-world S.T.E.M. problems!



Hands-on  
science  
FUN!

## 1 TASTE BUDS

GRADES K-5

Learn about the biology behind your "buds" and take home your very own taste test kit! Children develop a taste for science! Children get hands-on with magnifiers, model tongues, and mirrors to see what their own tongues look like – and test the classic model of the "tongue map". A quick tasting test sorts out which class members are supertasters. The instructor uses spoonfuls of sugar to show sugar content in popular children's drinks. A nose-plugging experiment links taste and smell, and children scientifically sniff-out extracted scents.

Wednesday, June 29

10:00-11:00 am

Gurney Lane  
Recreation Area  
Hensen Pavilion

## 2 WHODUNIT?

GRADES K-5

Test your skills and learn how the pros do it through careful observation and techniques to handle evidence properly. Using your Whodunit Kit™ take home, you can practice the skills of recall and observation.

Friday, July 8

10:00-11:00 am

Queensbury  
WHBI School,  
Classroom #121

## 3 MIX IT UP

GRADES K-5

It's time to shake up solutions and explore mixture chemistry. Children sort out mixtures, clear color from a variety solution and see how useful a suspension can be. The Super Sorter gives children the tools to sort mixtures at home!

Friday, July 29

10:00-11:00 am

Queensbury  
WHBI School,  
Classroom #121

## 4 UNDER PRESSURE

GRADES K-5

An exciting immersion in the science of air pressure and Bernoulli's principle!

Friday, August 5

10:00-11:00 am

Queensbury  
WHBI School,  
Classroom #121

## 5 MAGNIFICENT MAGNETS

GRADES K-5

Experiment with magnetic fields and build an electromagnet. Experience the pull of magnetism! Ever been an atom in a magnet? Don't be repelled! Visit the North and South Poles and frolic in invisible fields. Children use magnetic wands, explore magnetic attracting and repelling forces, confuse compass needles, and magnetize paper clips. Entertaining demonstrations show the magnet's gravity-defying abilities and educate children about the Earth's magnetic properties. Play with some of the wildest forces in the universe!

Friday, August 12

10:00-11:00 am

Queensbury  
WHBI School,  
Classroom #121

## MAD SCIENCE CAMP

*Note to parents: For your child's safety, please inform the Department Staff, at the time of registration, and the instructor of any known allergies that exist for your child!*

**Note to Parents: Please have your child bring a nut-free snack and drink each day.**

### UNDERGROUND EXPLORERS CAMP!

Join us for a week-long camp that is full of hands-on lessons and historical science! Each day will be devoted to unique activities!

**History Hunters** — Join us as we dig for dinosaurs! We put on our paleontology hats and go looking for prehistorical treasure! In the space of a day, we follow the million-year process that changes a creature into a fossil. We learn the ins-and-outs of a paleontological dig and create our own 3D fossils.

**Can You Dig It?** — We examine bones! There are clues in the shape, size, and scratches on the artifacts that we unearth. We use our observational skills to piece together the puzzle and figure out what kind of animal we're examining. We learn about bone shape and function, as well as placement. We get to take home bones, so we can practice putting them together.

**Pieces of Our Past** — We investigate artifacts! The only clues to our past are from the memories passed down as stories and from the remnants of materials that survived through the ages. We learn about patterns of wear, and hypothesize about the use of unfamiliar items. We get to decorate a clay pot, and use the pattern to help us reconstruct fragments of a broken pot.

**Buried Stories** — We study ancient civilizations! Weather and weathering can alternatively bury and uncover societies from the past. We learn about Pompeii and recreate the eruption of Mount Vesuvius. We discover how certain conditions can preserve objects and help us better understand ancient cultures and historical events.

**Ancient Artifacts** — We unravel time! We discover how to date objects using techniques like carbon dating and stratigraphy. We use a metal detector to find buried coins, and then use the skills we've learned to restore them to their former glory, and figure out where they came from!

Ages 6-12

August 16-20 (Monday-Friday)

9:00 am-12:00 pm

Queensbury WHBI School, Classroom #121

Resident \$150; Non-Resident \$160

### TO REGISTER:

[recreation.queensbury.net](http://recreation.queensbury.net)

In person at:

742 Bay Road, Queensbury NY 12804

8:00 am-4:30 pm, Monday-Friday



**FEE:** Resident \$15/class; Non-Resident \$25/class

**CLASS SIZES:** 10 min | 20 max