

SCIENCE & TECH WORKSHOPS



FORENSIC SCIENCE CAMP FOR YOUNG DETECTIVES – CSI IN ACTION

This Forensic Science camp will let students jump into the world of real crime scene investigation. We will take on the role of the investigator when we ask, "How can we prove that someone came into a room or touched an object?" There will be hands-on activities and demonstrations of everything that our young C.S.I. investigators will need to know!

During this week-long camp, we will cover a wide variety of evidence including: fingerprints, shoe prints, blood (synthetic and only a drop or two), handwriting, trace evidence, forensic anthropology and we'll examine bones, and MORE! The kids will study how evidence is used in crime scene investigations. We will analyze trace evidence under a microscope and practice collection techniques. Our detectives will do facial reconstruction with clay on plastic skulls. We will also discuss how these types of evidence have been used in REAL cases.

The last day of camp culminates with a mock crime scene where students will apply what they have learned. It's an exciting day for the kids!

Instructor: Thomas Jones, BA, MA, University of Illinois; JD, University of Michigan; noted author; for more information, crimescenecamps.com.

Please have your child bring a drink and nut-free snack each day.

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!

FOR | Ages 6-14

WHEN | July 22-26 (Monday-Friday)

TIME | 9:00 am-12:00 pm

WHERE | Queensbury WHBI School, Classroom #119

FEE | Resident \$80; Non-Resident \$90

Designed
for kids!

Class size: 14 min | 25 max

WAIT!
There's More!

If your child is interested in
Science & Technology,
they may also be interested in

WILD ABOUT ANIMALS PROGRAMS

- Reptile Adventure
- Pond Life
- Animals Around the Globe!
- School of Fish!
- Silent Wings Raptors — Birds of Prey

If you have preschool children,
check out these programs for our youngest learners

SCIENCE FOR TODDLER/PRESCHOOL

- Welcome to "The Garden!" Preschool Camp
- Shapes & Structures Workshop
- Fluttering Birds Workshop
- Adventures in Air Workshop
- Butterflies Workshop
- Color Lab Workshop
- Mad Mixtures Workshop

For more information, please visit recreation.queensbury.net

Registration Information

Online: recreation.queensbury.net

In Person: Queensbury Parks & Recreation Department
742 Bay Road, Queensbury NY 12804
8:00 am-4:30 pm, Monday-Friday

The Department reserves the right to either cancel, change, or alter any program schedule based on availability of staff, facility, and/or enrollment.



Queensbury
PARKS & RECREATION

742 Bay Road, Queensbury NY 12804 | (518) 761-8216
recreation.queensbury.net

Youth Science & Technology Programs

Summer 2019



Forensics · Chemistry · Engineering
and so much more!



Queensbury
PARKS & RECREATION

REGISTER ONLINE!
recreation.queensbury.net

IS YOUR CHILD "MAD" ABOUT SCIENCE?

We are thrilled 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!

1 SLIME TIME – CRAZY CHEMWORKS!

Ooze into a gooey hour of sliming around! Create slime using the Mad Science recipe; and then, enter the Slime Olympics! Take home your own concoction of Mad Science Slime, too!

FOR | Grades K-5

WHEN | July 5 (Friday)

TIME | 10:30-11:30 am

WHERE | Queensbury WHBI School, Classroom #121

2 CARNIVALS – BRIXOLOGY LEGO® WORKSHOP

Feel the thrill as you build a spinning swing ride! Learn about the forces and mechanical engineering concepts behind some of your favorite amusement park rides. Then, improve and test the design to create an even wilder ride!

FOR | Grades K-5

WHEN | July 8 (Monday)

TIME | 1:00-2:00 pm

WHERE | Queensbury WHBI School, Classroom #121

3 FANTASTIC FLIERS

This course introduces students to the basics of flight and aerodynamics. During this course, children will explore the four forces behind aerodynamics which include lift, thrust, gravity, and drag. In addition, the students will get to test out their own Delta Dart make-shift planes in order to learn more about the various plane designs and how they relate to the four forces. Towards the end of the course, students will get the chance to build a Sky Hawk Foam Plane to take home.

FOR | Grades K-5

WHEN | July 16 (Tuesday)

TIME | 1:00-2:00 pm

WHERE | Gurney Lane Recreation Area Pavilion
In case inclement weather, program will be held at Queensbury WHBI School, Classroom #119

4 VEHICLES – BRIXOLOGY LEGO® WORKSHOP

Get in gear as an automotive engineer! Build a motorized vehicle and learn how to optimize it. Use wheels, axles, and gears to reduce friction and make it work better. Then, shift things into a higher gear to get a hands-on understanding of transmissions and gear ratios.

FOR | Grades K-5

WHEN | July 23 (Tuesday)

TIME | 1:00-2:00 pm

WHERE | Queensbury WHBI School, Classroom #121

Does your child LOVE science?

Sign up for the

SUPER SCIENCE 8-PACK

for \$95 and SAVE \$25!



Hands-on
science
FUN!

5 SPACE PHENOMENA – NASA WORKSHOP

Explore the phenomenal events that take place in the night sky. Create impact craters and observe as “meteors” fall through a model atmosphere. Watch a “comet” form out of household materials right before your eyes!

FOR | Grades K-5

WHEN | July 25 (Thursday)

TIME | 1:00-2:00 pm

WHERE | Queensbury WHBI School, Classroom #121

6 MOVING MOTION

To get things moving, children catapult into Newton’s three laws of motion. They yank a cloth from under dishes, send crash test dummies flying, and launch mini-rockets across the room! They see action-reaction forces at work with the twirling Newton Spinner Take-Home.

FOR | Grades K-5

WHEN | August 5 (Monday)

TIME | 10:30-11:30 am

WHERE | Queensbury WHBI School, Classroom #119

7 SPACE TECHNOLOGY – NASA WORKSHOP

Explore space-related technologies used on Earth. Steer a laser beam through a laser maze, find hidden mountains using the principles of radar technology, and see the technological advances that improve our exploration of the universe.

FOR | Grades K-5

WHEN | August 12 (Monday)

TIME | 10:30-11:30 am

WHERE | Queensbury WHBI School, Classroom #119

8 BRIDGES – BRIXOLOGY LEGO® WORKSHOP

How can you build the strongest bridge? Work together with your fellow civil engineers to build and test different bridge designs. Then, use what you’ve learned to create the strongest bridge possible.

FOR | Grades K-5

WHEN | August 15 (Thursday)

TIME | 1:00-2:00 pm

WHERE | Queensbury WHBI School, Classroom #119

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.

CAMP EUREKA!

Children 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, children will create catapults and forts, construct working light sticks to take home, and assemble 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! It’s a blast for the kids and out-of-this world, too!

FOR | Ages 6-12

WHEN | July 29-August 2 (Monday-Friday)

TIME | 9:00 am-12:00 pm

WHERE | Queensbury WHBI School, Classroom #121

FEE | Resident \$135; Non-Resident \$145

Camp size: 10 min | 20 max

MAD SCIENCE MEETS ROCKSPORT!

We are excited to offer these fantastic programs, featuring two popular elements that kids love — science exploration and rock climbing! We partner with Mad Science and Rocksport to bring these awesome opportunities to your child.

Children will learn about the featured science topic of the day, enjoy a snack which is provided; and then, have a blast as they rock climb. There are two awesome sessions for the kids to enjoy! They are out-of-this-world FUN!

FUN-DAMENTAL FORCES WORKSHOP: Session 1 — July 24

Find out what makes the world go around in an entertaining introduction to the basic concepts of forces. A Gravity Game is a fun way to bring this workshop home!

AEROSPACE – BRIXOLOGY LEGO® WORKSHOP: Session 2 — August 8

Launch your imagination to new heights as you explore aerospace engineering! Discover the secrets of working in space – efficiency and compact design. Create a trussed space station module, then connect it with others to create a massive modular spacecraft.

ROCK CLIMBING COMPONENT: Children will learn basic skills, techniques, and climbing strategy. Rocksport instructors will be monitoring the children as they have so much fun climbing at the spectacular, state-of-the-art Rocksport facility!

All material, supplies, and a snack are included.

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!

FOR | Grades K-5

WHEN | Session 1: July 24 (Wednesday)
Session 2: August 8 (Thursday)

TIME | 1:00-3:30 pm

WHERE | Rocksport, 54 Carey Road, Queensbury

FEE | Resident \$45/Session; Non-Resident \$55/Session

Please Note: the completion of a Rocksport waiver is required.
To complete, visit rocksportny.com

Class size: 20 max

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

CLASS SIZES: 10 min | 20 max