

SCIENCE LIVES!

REPTILE ADVENTURE – LIVE REPTILES!

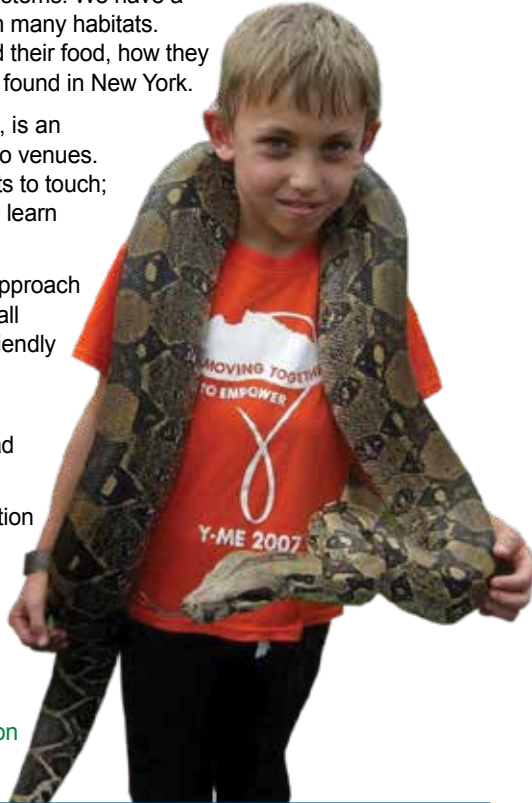
This program is an overview of reptiles and amphibians; explaining what makes a reptile a reptile and how different reptiles live in their native ecosystems. We have a variety of animals from all over the globe and from many habitats. Topics include what the animals eat, how they find their food, how they avoid predators, and what related animals can be found in New York.

Reptile Adventure, based in NY's Capital Region, is an educational organization that brings live animals to venues. They are extremely hands-on, allowing participants to touch; and even, hold most of their animals. Children will learn about 8 different reptiles.

Educators strive to bring a cheerful and positive approach to educating with reptiles; to do so without hype, tall tales, or attempts to frighten the audience—just friendly animals, stranger-than-fiction facts, and they are sensitive, knowledgeable educators.

Educator Jessica Shea, Reptile Adventure, will lead the program.

It's fascinating hands-on, interactive reptile education that's too amazing to miss!



FOR | Grades K-6
(for the 2016-2017 school year)

WHEN | July 21 (Thursday)

TIME | 1:00-2:00 pm

WHERE | Gurney Lane Recreation Area Pavilion

FEE | Resident \$15; Non-Resident \$25

Class size: 12 min | 25 max

DINOSAURS AND OTHER INTERESTING ANIMALS!

Program Instructor, Nicole Maney, is a K-2 teacher at the Green Meadow Elementary School in East Greenbush, Channel 13 Teacher of the Week, and an After School Enrichment Coordinator from 2003-2011.

Children will be exposed to the topic of dinosaurs and other animals, through hands-on exploration, projects, stories, songs, edible activities, and much MORE!

All supplies are included.

FOR | Ages 5-8

WHEN | July 27 (Wednesday)

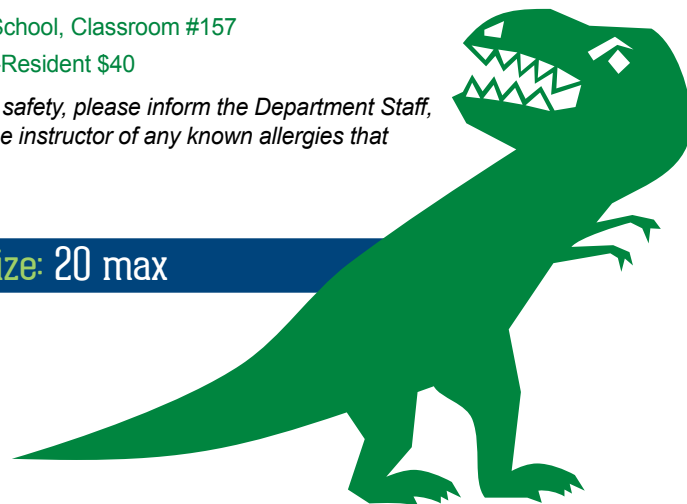
TIME | 9:00 am–12:00 pm

WHERE | Queensbury High School, Classroom #157

FEE | Resident \$30; Non-Resident \$40

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.

Class size: 20 max



WAIT!
There's More!

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

NATURE EDUCATION PROGRAMS

JR. NATURE EDUCATION PROGRAMS *For ages 6-11*

- Adirondack Grossology
- What Lies Beneath
- For the Birds

PRESCHOOL NATURE EDUCATION PROGRAMS *For ages 3-5*

- I Love Bats and Toads and Spiders
- Salamander Room
- I Can Make That!

EARLY NATURE EDUCATION PROGRAMS *Infant-3 years*

- Babes in the Woods

For more information, please visit recreation.queensbury.net

Registration Information

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

NEW! Online: recreation.queensbury.net

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



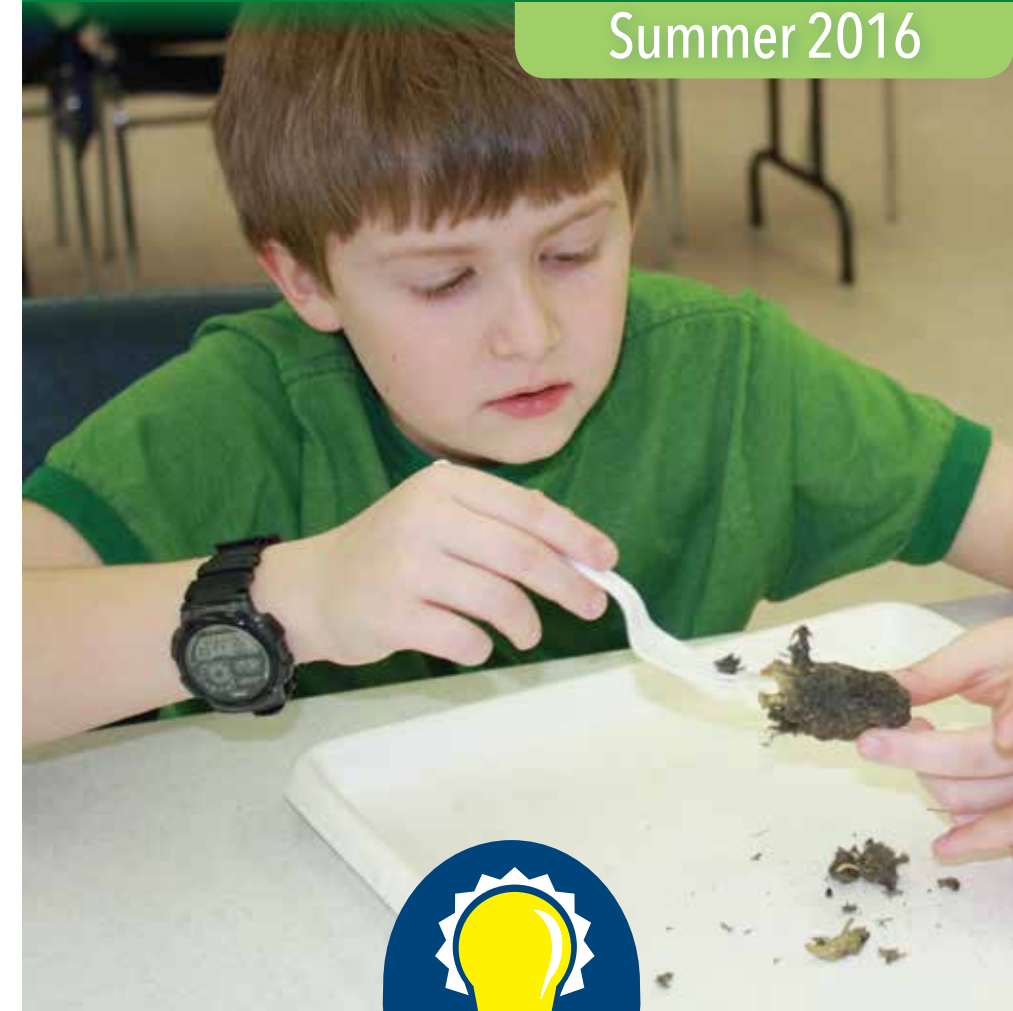
Queensbury
PARKS & RECREATION

742 Bay Road, Queensbury NY 12804 | (518) 761-8216

<http://recreation.queensbury.net>

Youth Science & Technology Programs

Summer 2016



Forensics · Chemistry · Weather
and so much more!



Queensbury
PARKS & RECREATION

Online Registration Now Available!
recreation.queensbury.net

CSI IN ACTION!



This program is designed for kids!

FORENSIC SCIENCE CAMPS FOR YOUNG DETECTIVES

The Forensic Science camps will let students jump into the world of 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. We will learn about fingerprints, shoe prints, blood (synthetic and only a drop or two), handwriting, trace evidence, and MORE!

During these three-day camps, we will cover a wide variety of evidence. The kids will get to do hands-on activities and learn how evidence is used in crime scene investigations. Each morning session, the children will learn about the evidence and practice collection techniques. Each afternoon, they will have a mock crime scene where they will apply what they have learned. The kids will have to be clever and use their critical thinking to figure things out along the way.

It's fascinating science that kids LOVE and there are TWO sessions!

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

Note to Parents: Please have your child bring a lunch, snack, and drink 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!

FORENSIC SCIENCE CAMP 1

Day 1: We will cover fingerprints, shoe prints/impressions, tire tracks, and blood (synthetic). Our crime scene will focus on these types of evidence.

Day 2: We will cover handwriting, ink analysis, tool marks, and trace evidence. We will also discuss how these types of evidence have been used in real cases. Our crime scene this day will cover all of the types of evidence from both days.

Day 3: We will cover forensic anthropology and examine bones. The kids will do facial reconstruction with clay on plastic skulls. In the afternoon, we will do a mock scene based on an archaeological excavation.

FORENSIC SCIENCE CAMP 2

Day 1: We will cover animals in crime scenes. We will examine hair and fur from various species. We will also look at bones and figure out how to identify species from them. We will discuss ways that animals can be involved in forensic science. The mock crime scene will focus on the evidence that the kids have covered during this day.

Day 2: We will cover forensic science and soil, plants, bugs, and pollen. We will use the microscope and learn how scientists study tree cores to solve crimes. We will cover all of the "outdoor" sciences that are used in an outdoor crime scene.

Day 3: We will cover forensic science and the environment. We will look at the role of weather in forensic science, as well as how scientists "fingerprint" oil. The mock crime scene on this day will include all of the evidence types that we cover during this 3-day program.

FOR | Ages 6-14

WHEN | Mondays-Wednesdays

Camp 1: July 25-27

Camp 2: August 15-17

TIME | 9:00 am-2:00 pm

WHERE | Queensbury High School, Classroom #153

FEE | Resident \$75/camp; Non-Resident \$85/camp



Class size: 14 min | 25 max

SENSATIONAL SUMMER SCIENCE WORKSHOPS

The Department is thrilled to welcome Queensbury High School Science Teachers, Bill Brown and Chad Wiekierak, to lead these fascinating programs! Children will use their analytical and critical thinking skills and explore topics in the science world. The kids will be having so much fun, they won't even realize that they are learning!



SUPER COOL CHEMISTRY

Each day, children will perform safe, hands-on chemistry experiments. Students will be engineering the slimiest slime possible and performing many other experiments. Let your child be the scientist and have a blast with wonderful and crazy chemistry!

Bill Brown is a NYS Certified Teacher and he has taught Chemistry at Queensbury High School for 14 years, is the Chemistry Club and Rocket Club Advisor at Queensbury High School, and was a Former Chemical Engineer with Ahlstrom Kamyr, Inc. in Glens Falls, NY. Bill serves as the Chemistry SAR (Subject Area Representative) and Vice-Chairperson of the Eastern Section of the Science Teachers Association of NYS.

FOR | Grades 3-6 (for the 2016-2017 school year)

WHEN | Session 1: July 14 & 15 (Thursday & Friday)

Session 2: August 2 & 3 (Tuesday & Wednesday)

TIME | 9:30-11:30 am

WHERE | Queensbury High School, Classroom #153

FEE | Resident \$30/session; Non-Resident \$40/session

Class size: 10 min | 20 max

THE WONDERS OF WEATHER

In this exciting program, there will be density and air pressure demonstrations, children will discover sun angle measurement (weather permitting), and they will explore radar, satellite, weather map, and computer forecast model interpretation. Your child will be your own personal Chief Meteorologist and be electrified about weather! No gray skies, here-only sheer weather FUN!

Chad Wiekierak is a NYS Certified Teacher and he teaches Earth Science and coaches Boys JV Soccer at Queensbury High School. He graduated from Oswego in 1995, with a BS in Meteorology and a minor in Mathematics. After graduation, he was hired as a meteorologist for a private forecasting company in Houston, Texas. While working there, he began taking classes and earned his teaching certificate. After several years of working as a forecaster, he started teaching chemistry and physical science at Mayde Creek High School in Katy, Texas. He taught there for three years before coming to Queensbury in the fall of 2002.

FOR | Grades 3-6 (for the 2016-2017 school year)

WHEN | August 4 (Thursday)

TIME | 9:30-11:30 am

WHERE | Queensbury High School, Classroom #153

FEE | Resident \$15; Non-Resident \$25

Class size: 10 min | 24 max



Kids LOVE learning about science!

SCOTIA-GLENVILLE CHILDREN'S MUSEUM



Hands-on science FUN!

Let us bring these EXCITING Science programs to you!

The Department is collaborating with The Traveling Museum of the Scotia-Glenville Children's Museum to offer these fascinating science programs for your child to have a hands-on learning experience and loads of FUN! It's true science for inquisitive kids!

MAKEY MAKEY!

Participants will turn everyday objects, like bananas or play dough, into touch pads or computer keyboards and combine them with the internet. We bring the Makey Makey circuit boards along with a wide range of creative materials, so that your child can learn about conductivity and the basics of circuitry. They will try their hands at being inventors! It will spark their intellectual curiosity!

FOR | Grades 3-7 (for the 2016-2017 school year)

WHEN | July 7 (Thursday)

TIME | 1:00-2:30 pm

WHERE | Queensbury High School, Classroom #153

FEE | Resident \$18; Non-Resident \$28

Class size: 10 min | 15 max

GIZMOS, GADGETS & GAMES!

Reach into this toolbox that is as big as your imagination! Work with Little Bits (TM) — color-coded electronic circuits — to make crazy contraptions! Future inventors will have a blast as they discover their potential!

FOR | Grades 2-6 (for the 2016-2017 school year)

WHEN | July 28 (Thursday)

TIME | 1:00-2:00 pm

WHERE | Queensbury High School, Classroom #153

FEE | Resident \$15; Non-Resident \$25

Class size: 10 min | 18 max

OIL SPILL!

Young environmentalists simulate an oil spill then investigate how to clean it up. This messy lesson makes a big impact as children learn about pollution. Let's clean up the environment!

FOR | Grades 1-6 (for the 2016-2017 school year)

WHEN | August 11 (Thursday)

TIME | 1:00-2:00 pm

WHERE | Gurney Lane Recreation Area Pavilion

FEE | Resident \$15; Non-Resident \$25

Class size: 15 min | 30 max

One-of-a-kind opportunities!