

Ages 10 & Older

# 2019 NYS 4-H STEM CAMP



**(Do not have to be a 4-Her to attend!)**

**FRIDAY, JUNE 14 - SUNDAY, JUNE 16**

4-H Camp Shankitunk Delhi, NY

## Courses Offered:

### ARCHERY DYNAMICS



Calling all aspiring archers! Do you want to use a bow and shoot arrows? Then this class is for you! Learn how angles and trajectory play a major part in your shooting accuracy.

### BACKYARD ENGINEERING

Do you like to design and build? You will put your ingenuity to the test as you work together in small groups to optimize your designs and solve a series of engineering problems. We will take things further by testing how much weight your design can bear, how tall it can be built, and more.



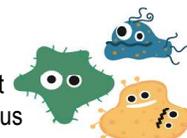
### CODE EXPLORERS



Do you like to code or want to learn how? Have fun exploring computer programming during this course. We will go on virtual reality field trips, learn coding basics, and do some cool maker activities. Learn how you can take these activities home to teach others. All levels of coding experience are welcome!

### MICROORGANISMS

The good, the bad, and the ugly...In this course you will learn about all the different types of microorganisms, perform numerous fun and exciting experiments, and grow your own culture!



### ROCKETRY I & II

Do you want to build and launch a rocket that will fly over 400' into the air? How about a water and air powered rocket as well? Experience the remarkable principles of how rockets work and the science of aerospace with fun activities.

-Rocketry I = beginners.

-Rocketry II = must have taken Rocketry I



### OUTDOOR SURVIVAL

Do you have what it takes to survive in the wilderness? In this course we will practice skills that are necessary for staying alive. We will spend the weekend outside learning fire and shelter building, cordage making, and other outdoor skills that will leave you better prepared for the unexpected. Dress for the weather - rain gear is a must-have!



## FAQ's

**Q: Who can attend camp?**

**A:** Any youth 10 years old and older.

**Q: Can my parents stay at the camp?**

**A:** Yes. **\*\*Must pass background check\*\***

**Q: What does it cost to attend?**

**A:** \$75 per participant, sibling, and adult who attends.

**Q: Where will I sleep?**

**A:** In the bunks/cabins used during summer camp.

**Q: What will I eat?**

**A:** Delicious & nutritious meals prepared by the volunteers and educators.

**Q: What will I need to bring?**

**A:** Sleeping bag, pillow, personal care items, flashlight, extra shoes, swimsuit, towels, etc.

## How Does NYS 4-H STEM Camp Work?

STEM camp has seven courses to choose from. Each camper chooses one course to learn about for the weekend. You may choose from Archery Dynamics, Backyard Engineering, Code Explorers, Microorganisms, Rocketry I or II, and Outdoor Survival. Class sizes are limited and will be filled on a first-come, first-serve basis.

**Please contact Emily Roach with any questions at 607-865-6531 ext. 107 or [esc33@cornell.edu](mailto:esc33@cornell.edu)**

## **ONLINE REGISTRATION AVAILABLE**

**[https://pub.cce.cornell.edu/event\\_registration/main/events.cfm?dept=212](https://pub.cce.cornell.edu/event_registration/main/events.cfm?dept=212)**