2023
NYS 4-H STEM Camp

Youth do not have to be a 4-Her to attend!
Friday, June 16 - Sunday, June 18
Ages 10 and older
4-H Camp Shankitunk, Delhi NY

Please contact Emily Roach with any questions at esc33@cornell.edu

Online registration: https://bit.ly/NYS4HSTEMCAMP2023
**Registration open until June 7th or until classes fill, whichever comes first.

Geospatial Workshop - GPS, Mapping and Sensors
Rolling robots and flying drones help researchers do detective work to keep agricultural crops - like grapes - green, growing and producing scrumptious food - like fruit. In this hands-on workshop, learn about technology that powers digital agriculture. Use GPS in an geocache challenge, design your own Geo-Art and map it with GIS, paint with soil, explore sensors that "see" the invisible pests that bug plants, and practice programming robots in the vineyard.

GPS/Geocaching – Do you like to hunt for treasure? Do you like to go on scavenger hunts? Then GPS/Geocaching is for you! Learn fundamentals of geocaching along with some other fun and amazing aspects of geospatial science.

Rocketry 1 and 2 – Do you want to build and launch a rocket that will fly over 400 feet 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 1 – beginners
Rocketry 2 – must have previous rocketry experience

From Ancient Ciphers to Cyber Security: 3.1.14 25.15.21 18.5.1.4   20.8.9.19? What is this string of numbers? What does Julius Caesar have to do with modern cyber security? If you want to find out, join us to learn about the history of cryptography. This introduction to different methods of secret writing used throughout history will dive into how to make and break ciphers, practice recognizing encryptions, and learn about how this ancient technique is used in computer science careers today!

Frequently Asked Questions –
Question: Do I need to be a member of 4-H?
Answer: No, you do not need to be a 4-H member.

Question: Who can attend camp?
Answer: Any youth 10 years and older

Question: Can my parents stay at camp?
Answer: Yes. **Must pass background check**.

Question: How much does it cost to attend?
Answer: $75 per participant, sibling, and adult who attends.

Question: Where will I sleep?
Answer: In the bunks/cabins used during summer camp.

Question: What will I eat?
Answer: Delicious & nutritious meals prepared by the volunteers and educators.

Question: What will I need to bring?
Answer: Clothing, sleeping bag, pillow, personal care items, flashlight, extra shoes, swimsuit, towels, etc.

How does NYS 4-H STEM Camp work?
STEM camp has five courses to choose from. Each camper chooses one course to learn about for the weekend. You may choose from GPS, Mapping and Sensors; GPS/Geocaching; Rocketry I or II; and From Ancient Ciphers to Cyber Security. Class sizes are limited and will be filled on a first-come, first-serve basis.

Paper Registration Form

Online Registration Available - https://bit.ly/NYS4HSTEMCAMP2023

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Participant Information

Name _____

Address _____

Phone Number _____

Email _____

Male _____ Female _____

Age _____

Member of 4-H? _____ Yes _____ No   If yes, member of _____ County 4-H.

T-Shirt Size

Youth Small/Medium/Large

Adult Small/Medium/Large/XLarge/XXLarge

Please choose your class track choices 1 – 5 with 1 being your top choice and 5 being your last choice

_____ GPS, Mapping, and Sensors

_____ GPS/Geocaching

_____ Rocketry I

_____ Rocketry II

_____ From Ancient Ciphers to Cyber Security

Parent/Guardian Information

Name _____

Address _____

Phone Number _____

Email _____

Number of Attendees _____ x $75 = $_____

                            Total Cost = $_____

Please make check out to 'CCE Delaware County' and memo line 'NYS 4-H STEM Camp' and mail check to:

CCE Delaware County
c/o Emily Roach
34570 State Hwy 10 Suite 2
Hamden, NY 13782

**Classes filled in order of registration/payments received.