



2021 4-H Electric Camp Overview Regional Locations 30th Year Anniversary RoadShow

Description

4-H Electric Camp is a fun-filled, rewarding adventure in electricity. At these regional camps, you will learn what electricity is and how it works. You will work with electrical specialists from across the state in learning centers. Each learning center will consist of hands-on activities so that you can learn by doing. You will also have the chance to meet other 4-H'ers from across Tennessee and explore careers in energy, electricity, and basic sciences. It's an electrifying experience!

Learning Stations

- **Station 1 - Robotics:** Robots were once only seen in science fiction movies; however, today, robots are used to do many jobs in manufacturing facilities and even around your home. In this activity, you will learn how to program a basic robot to accomplish simple tasks.
- **Station 2 - Drones:** Drones have various purposes, such as filming a wildlife video, capturing aerial shots of crops or landscapes, or capturing stunning photos and videos. This learning center will teach you about the different types of drones, the current regulations to fly drones safely and allow you to take the controls and pilot a micro-drone.
- **Station 3 - Electric Motors:** Motors convert electricity into practical work. You will learn in this activity the different parts of an electric motor and how electromagnetism makes a motor turn. You will also put to use what you have learned as you build your own electric motor.
- **Station 4 - Electrical Safety:** Electric power does a tremendous amount of work for us; but, because it is such a powerful force, we must be careful around it. This learning center will teach you how to play it safe around high voltage power lines.
- **Station 5 - Virtual Reality Challenge:** In this activity, you will work together in teams to learn more about cutting-edge technologies like virtual reality (VR) that help engineers solve real-world problems. Your team is an elite group of spies that must defuse a bomb, and you can only succeed by working together.



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Tentative Day Camp Schedule

Time	Robotics	Drones	Electric Motors	Virtual Reality Challenge
9:00 – 9:30	Registration	Registration	Registration	Registration
9:30 – 10:30	Group 1	Group 2	Group 3	Group 4
10:40 – 11:40	Group 4	Group 1	Group 2	Group 3
11:45 – 12:30	High Voltage Safety Demonstration	High Voltage Safety Demonstration	High Voltage Safety Demonstration	High Voltage Safety Demonstration
12:30 – 1:30	Lunch	Lunch	Lunch	Lunch
1:40 – 2:40	Group 3	Group 4	Group 1	Group 2
2:50 – 3:50	Group 2	Group 3	Group 4	Group 1
3:50 – 4:00	Evaluations	Evaluations	Evaluations	Evaluations

Registration

Sessions are regionally situated and open to the participant's choice until the 50 maximum is met at each location. **Registration will take place from 8 AM on May 3rd to 5 PM on June 1st.** Please contact your 4-H office to register.

Attendance

4-H Electric Camp is open to any 4-H member enrolled in 6th or 7th grades as of January 1, 2021. 4-H members who attended camp as 6th graders are eligible to return and participate as 7th graders.

Adult & Teen Leaders

4-H Electric Camp has leadership opportunities for Adult (Agents included) and Teen Leaders. For 2021, we will be doing these electronically. The applications for these opportunities can be found at the links below:

[2021 Adult Leader Application](#)

[2021 Teen Leader Application](#)

Cost

The cost of the 4-H Electric Camp is \$40.00/participant. The fee includes meals, activities, and take-home items. Registration and fees will be taken through participants' 4-H office and billed from the State 4-H Office to the Regional Offices.



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Marketing

Marketing materials can be found in the [Electric Camp Google Drive](#).

Transportation

Due to COVID restrictions and ongoing precautions, we will not be providing transportation for the 2021 events.

Health Service

Each site will follow policy and information contained in Form 600A. Please be sure it is complete and accurate! There will be staff on-site trained in First Aid and CPR; the team will handle more severe incidents on a case-by-case basis through emergency management systems.

Items to Bring to Camp

- Appropriate clothing (**no** cut-offs, tank tops, excessively short shorts, clothing that reveals undergarments, etc.)
- Comfortable shoes
- Water Bottle

Items NOT to Bring to Camp

- Mobile electronic devices (cell phones, iPads, etc.)
- Any form of weapons (knives, firearms, etc.)
- Any item that not permitted on school grounds

Questions concerning Electric Camp

- Direct questions to Daniel P. Collins, State Extension Specialist - 4-H Camping and STEM Programming at dcolli@utk.edu or 865.974.2128