



4-H YOUTH DEVELOPMENT  
**EXTENSION**  
 INSTITUTE OF AGRICULTURE  
THE UNIVERSITY OF TENNESSEE



## 4-H Electric Camp June 29 – July 2, 2020 Theme: "The Power to Be..."

The 4-H Electric Camp will be held June 29 – July 2, 2020, on the University of Tennessee, Knoxville campus. At this exciting camp, you will explore the world of energy, electricity, energy conservation, electrical safety and other basic sciences in fun-filled, "hands-on" learning centers. This year's learning activities include:

**USB Extension Cord** – This learning center will teach you some basic wiring techniques that are used by electricians' every day. You will have the opportunity to demonstrate what you have learned by wiring up an extension cord with USB charging outlets which you can take with you to use in your home.

**Electric Motors** – Motors convert electricity into useful 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.

**Robotics** - Robots were once only seen in science fiction movies; however, today robots are used to do many tasks. In this learning center you will see the latest robot technology and then try your hand at programming a robot to accomplish a specific task.

**Home Energy Conservation** – We use electricity to light our home, cook our food, play music, and operate televisions. But as we use more electricity in our homes, our electric bills rise. In this activity, you will learn how conserving electricity in your home not only helps to lower your electric bill but also helps to conserve our environment.

**Electric Vehicles** – Campers will learn about batteries, DC current and how DC current is used to propel electric vehicles. You will also demonstrate your driving skills by maneuvering an electric golf cart through an obstacle course.

**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.

In addition to learning about energy, electricity and basic sciences, you will also participate in many other fun-filled activities associated with 4-H camp. This year's program highlights include:

Monday, June 29	Tuesday, June 30	Wednesday, July 1	Thursday, July 2
Arrival	Breakfast	Breakfast	Depart for home
Registration/Orientation	Learning Centers	Learning Centers	
Swimming - Cost \$5.00	Lunch	Lunch	
Dinner	Trip to Dollywood	Swimming	
Opening Assembly	Dinner at Dollywood	Pizza Party	
		Final Program	
		Swim Party/Dance	

**Registration:**

1:00 - 3:00 p.m. (EDT) Monday, June 29, at a Residence Hall (TBD) on the UT Knoxville campus.

**Adjournment:**

8:00 a.m. (EDT) Thursday, July 2.

**Attendance:**

4-H Electric Camp is for any 4-H member enrolled in the 6th or 7th grades as of January 1, 2020. 4-H members who attended camp as a 6th grader **are eligible** to return as a 7th grader.

**Cost:**

The cost to attend the 4-H Electric Camp is \$290.00. This fee includes your dorm room, meals, admission to Dollywood and other recreational activities. Please return your check with your registration card to your county UT Extension office.

**Transportation:**

Your local 4-H agent will provide you with information as to the arrangements made for the transportation of you and others from your region to 4-H Electric Camp. Transportation to the camp is furnished by sponsors of the camp.

**Health Service:**

We will follow the policy and information on Form 600A. *Be sure it is complete and accurate.* Precautions to safeguard campers will be taken, but UT Extension cannot be responsible for accidents. Services of doctors will be available in Knoxville, if needed.

**What to Bring:**

Sheet and blanket or sleeping bag	Comfortable shoes
Towel and washcloth	Raincoat, umbrella
Soap, toothpaste, etc.	Swim wear
Appropriate clothing (sports clothes in good taste will be appropriate for most of the conference. No cut offs, tank tops or short shorts please!)	Work-type clothing to wear when working in your hands-on learning centers

**What NOT to Bring:**

Mobile phone	Pocket knives
Food	Any items not permitted at school

**Visit the 4-H Electric Camp Web site at:  
<https://4h.tennessee.edu/Pages/elecamp.aspx>**

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