



**“4-H Electric Camp
Energizing Every Moment”**

The 4-H Electric Camp will be held June 24 – June 27, 2025 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 activities. This year's learning activities include:

Electric Lamp – Electric lamps use electricity to give us light. In this learning center, you will take a lamp kit and some electric insulators and make an electric lamp that will bring light to your room.

Wind Energy Generation – Wind energy will play an important role in the supply of electricity in the future. This learning center will teach you how to design wind turbines to efficiently harness the energy in wind to generate electricity.

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 perform 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 – Many car manufacturing companies today are producing electric vehicles (EVs). Some EVs have a battery instead of a gasoline tank, and an electric motor instead of an internal combustion engine to power the vehicle. Others use a combination of a gasoline and an electric motor to power the vehicle. In this learning center, you will learn about the latest technology in electric vehicles

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:

Tuesday, June 24	Wednesday, June 25	Thursday, June 26
Arrival	Breakfast	Breakfast
Registration and Orientation	Learning Centers	Learning Centers
Swimming	Lunch	Lunch
Dinner	Trip and Dinner at Main Event	Swimming
Opening Assembly and Recreation		Pizza Party
		Final Program
	Friday, June 27	Swim Party and Dance
	Depart for Home	

Registration:

1:00 - 3:00 p.m. (EDT) Tuesday, June 24.

Adjournment:

8:00 a.m. (EDT) Friday, June 27.

Cost:

The cost to attend the 4-H Electric Camp is **\$330**. This fee includes your dorm room, meals, admission to the Main Event and other activities. Please make your check payable to The University of Tennessee and return with your registration card.

Who Can Attend:

The 4-H Electric camp is a fun-filled, rewarding adventure in electricity for girls and boys enrolled in the 6th, 7th and 8th grades. 4-H members who attended Electric Camp in previous years **are eligible** to return.

Transportation:

Your transportation to the camp is on your own to Knoxville and return home.

Health Service:

Campers will be covered with a limited amount of sickness and accident insurance from the time they leave home until they return. Services of doctors will be available in Knoxville. In case of emergencies, 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.

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

Visit the 4-H Electric Camp Web site at:

<https://4h.tennessee.edu/electric-camp/>

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Programs in agriculture and natural resources, 4-H youth development, family and consumer sciences, and resource development.

University of Tennessee Institute of Agriculture, U.S. Department of Agriculture and county governments cooperating.

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