



## 4-H Electric Camp June 23 - 26, 2009 Theme: "Electricity Rocks"

The 4-H Electric Camp will be held June 23-26, 2009, on the University of Tennessee, Knoxville campus. At this exciting camp, you will explore the world of energy, electricity and the basic sciences in fun-filled, "hands-on" learning centers. This year's learning centers feature:

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

**Energy Vampire Slayers** – In this activity you will learn how to find the energy vampires in your home. Learn to slay these energy vampires and you can save money on your energy bill.

**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.

**Robotic Arms** - 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 controlling a robotic arm.

**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:

Tuesday, June 23	Wednesday, June 24	Thursday, June 25	Friday, June 26
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) Tuesday, June 23, in the lobby of Morrill Hall on the UT Knoxville campus.

**Adjournment:**

8:00 a.m. (EDT) Friday, June 26.

**Attendance:**

4-H Electric Camp is for any 4-H member enrolled in the 6th or 7th grades as of January 1, 2009, who *have not previously attended* the camp.

**Cost:**

The cost to attend the 4-H Electric Camp is \$150.00. 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:**

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:  
[4h.tennessee.edu/elecamp/](http://4h.tennessee.edu/elecamp/)**