

2021 4-H

30th Anniversary Roadshow

ELECTRIC CAMP

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!



REGISTRATION

REGISTRATION WILL TAKE PLACE THROUGH COUNTY 4-H OFFICES. SESSIONS ARE REGIONALLY SITUATED AND OPEN TO THE PARTICIPANT'S CHOICE UNTIL THE LOCATION'S 50 MAXIMUM IS MET.

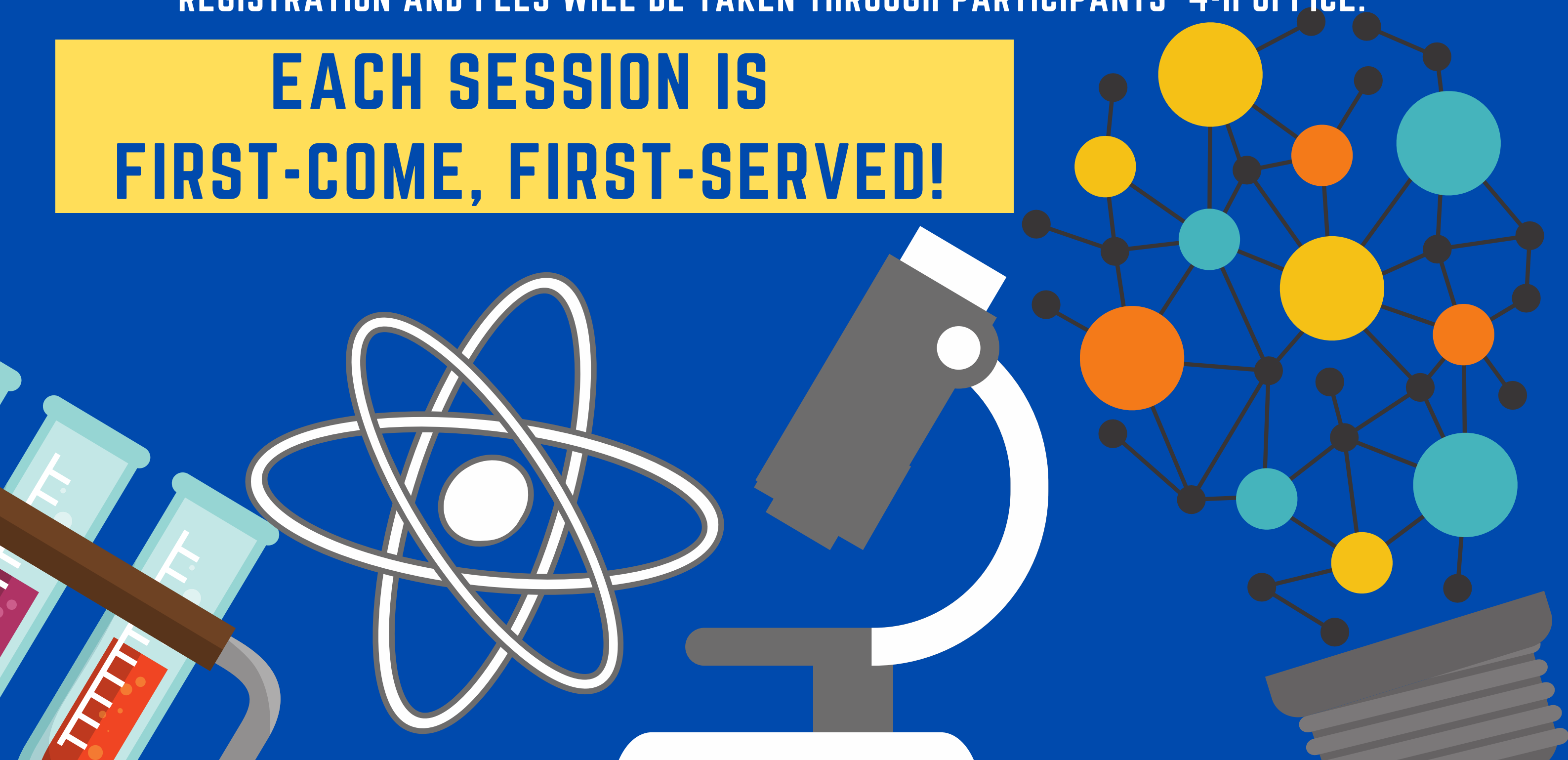
ATTENDANCE

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.

COST

WE HAVE SCHOLARSHIPS AVAILABLE. 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.

**EACH SESSION IS
FIRST-COME, FIRST-SERVED!**





CAMP LOCATIONS

JUNE 14TH - CLYDE YORK 4-H CENTER

**COUNTY REGISTRATION
DUE BY MAY 15, 2021**

2021 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 - 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.
- **GROUP DEMONSTRATION - HIGH VOLTAGE 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 DEMO WILL TEACH YOU HOW TO PLAY IT SAFE AROUND HIGH VOLTAGE POWER LINES.



**FOR MORE INFORMATION OR TO REGISTER
FOR ELECTRIC CAMP, PLEASE CONTACT:**

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[HTTPS://OVERTON.TENNESSEE.EDU/4-H-SUMMER-PROGRAMS/](https://overton.tennessee.edu/4-h-summer-programs/)