

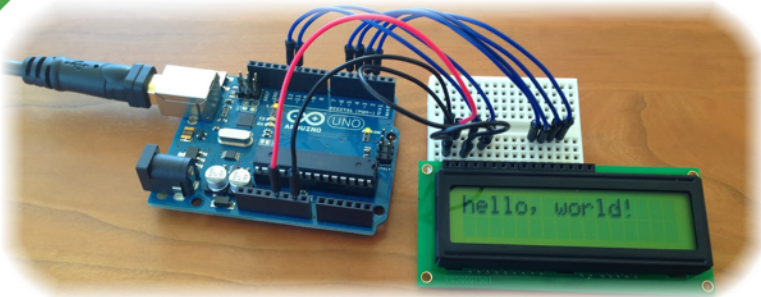
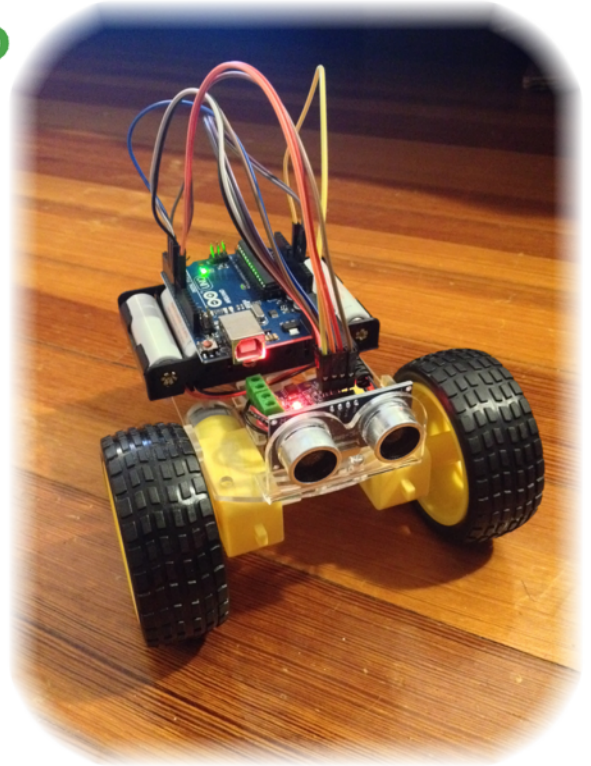
# CIRCUIT LAB

**Come learn and play in our electronics classes this summer! Offered by Circuit Lab and East Windsor Recreation, July 11 to 15.**

## Dream it • Code it • Create it

Your kids use electronics every day. What if they could use them to turn their dreams into reality? Our students learn what's "under the hood" of electronic devices, so they can understand more about the technology around them and also start to design their own devices.

In Circuit Lab classes, kids discover the fundamentals of circuits and the power of computer programming. Each class day involves a lesson and a hands-on project, using lights, motors, switches, wires, sensors, and more. Guided by expert instructors, students learn and play in a fun, supportive environment where experimentation is encouraged and they can create something to be proud of each day.



### For Registration:

East Windsor Recreation

860-627-6662

[eastwindsorct.myrec.com](http://eastwindsorct.myrec.com)

### Other Questions About Circuit Lab:

(617) 575-9688

[learn@circuit-lab.com](mailto:learn@circuit-lab.com)

[www.circuit-lab.com](http://www.circuit-lab.com)

## Program Details:

### July 11 to 15, for children entering grades 4 to 7:

Hands-On Electronics  
9:00am - 12:00pm daily  
\$165 per child

App Inventors  
12:45pm - 3:45pm daily  
\$165 per child

**Discounted full-day option (9:00 AM to 3:45PM) with lunch supervision available! \$310 per child.**

Classes will be held at the Town Hall Annex, 25 School Street, East Windsor.

**Maximum 20 children per class. Registration is first come, first served.**

## **Hands-On Electronics**

Tinker with electronics while learning the basics of computer programming. We begin by experimenting with the fundamentals of electronics and circuitry, and step up to projects where our class of young makers will design their own interactive and programmable devices. Participants use the latest tools including Arduino (for building interactive devices) and Raspberry Pi (for learning about computers and coding) to experiment with LEDs, resistors, motors, and programming. Each class day gives participants the chance to design a hands-on project with the guidance of skilled Circuit Lab instructors.

## **App Inventors**

Want to know how the apps work on your phone or iPad? Or do you already have the next great app idea, and just need to know how to make it? In this no-experience-required course, we use MIT App Inventor software to make fun, creative apps for Android phones and tablets. We will also explore wireless communication by building custom Bluetooth hardware controllers and readouts for our apps. Participants will learn both the programming and design aspects of creating great apps, and have the opportunity to build apps of their own with the support of Circuit Lab instructors.