

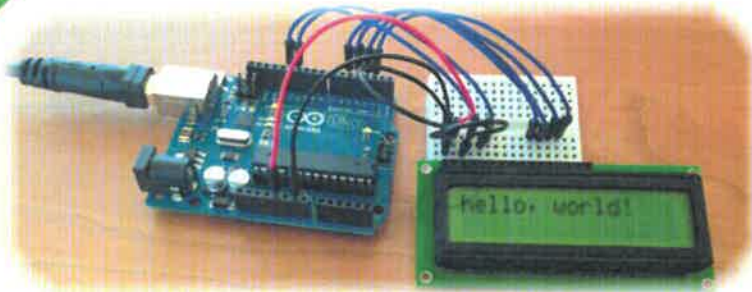
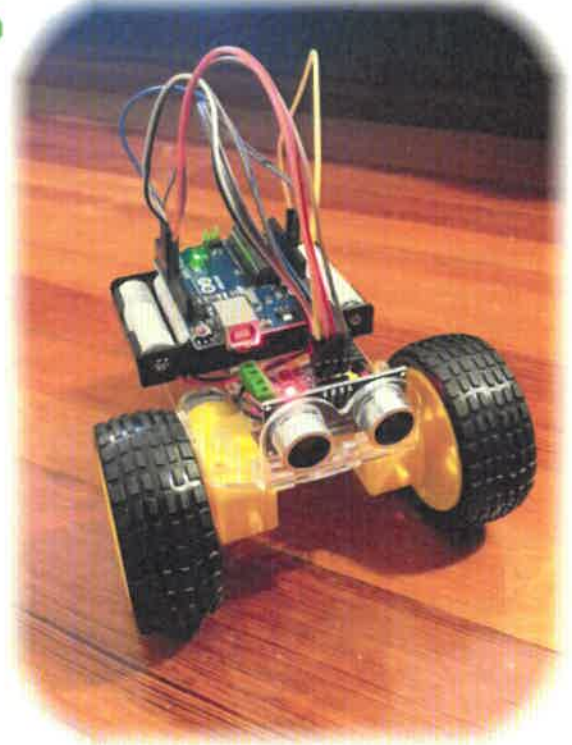
CIRCUIT LAB

Come learn and play in our electronics classes this summer!
Offered by Circuit Lab and Milford Recreation, July 29 to August 2.

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.



Registration questions:
Milford Recreation
(603) 249-0625
<http://milfordrec.com/>

Other questions about Circuit Lab classes:
617-575-9688
learn@circuit-lab.com
www.circuit-lab.com

Program Details:

July 29 to August 2

For children entering grades 1-3:

Circuit Makers 101
9:00am - 12:00pm daily

[Register Online](#)

Register

For children entering grades 4-7:

Hands-On Electronics
1:00pm - 4:00pm daily

[Register Online](#)

Register

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

About:

Circuit Lab is a small Boston-based company based that runs programs to teach children about circuitry (electrical engineering) and programming (computer science) through creative, hands-on projects. Our programs give kids the opportunity to engage with electronics as tools - not toys - and design their own devices by blending technical concepts with hands-on experimentation. We use the latest technologies including Arduino and Raspberry Pi to design smart flashlights, race cars, musical instruments, games, and more. It's a creative and fun way to give kids fluency and confidence in an increasingly necessary skill.

Students need no prior knowledge to take a class - we are prepared to engage students on an individual level to build their skills from the ground up. Returning and advanced students will also be presented with additional projects and challenges.

Class Descriptions:

Circuit Makers 101 *For children entering grades 1-3*

Let's get creative with electricity! In this junior hands-on electronics class, students will gain experience with creating their own electronics; designing custom light-up greeting cards, electric games, mazes, and even musical instruments. Each class day consists of a circuitry lesson and a hands-on electronics project, using components like lights, buzzers, switches, motors, and sensors. Circuit Lab staff will make sure participants create a project that they can be proud of each day. Most class days include a take-home project.

Hands-On Electronics *For children entering grades 4-7*

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.

Logistics:

- Classes will run Monday to Friday, July 29 - August 2, at Milford Town Hall.
 - Circuit Makers 101 from 9:00 AM to 12:00 PM.
 - Hands-On Electronics from 1:00 PM to 4:00 PM.
- The price is \$175 for the week for Milford residents (\$180 for non-residents). The maximum number of students in each class is 20.
- Registration is on a first come, first served basis.

Registration:

- **Circuit Makers:** <https://milfordnh.recdesk.com/Community/Program/Detail?programId=605>
- **Hands-On Electronics:** <https://milfordnh.recdesk.com/Community/Program/Detail?programId=606>