



Electronics power our world more every day, and the people who can manipulate them will design our future. By learning to creatively engage with the electronics as tools, we bring our students the skills to interact fully with the modern world. And we make lots of fun projects along the way.

Circuit Lab programs give kids the opportunity to create devices by blending technical concepts with hands-on experimentation in a creative environment. We use the latest technologies including Arduino and Raspberry Pi to design smarter flashlights, race cars, musical instruments, games, and more. Each class session begins with a brief conceptual overview before launching into an interactive, hands-on activity.

Circuit Lab programs are a fun and creative way to give kids fluency and confidence in an increasingly necessary skill. We are excited to teach your kids the tools to design and create whatever they imagine!

Use the Online Registration form or the printable form.

Registration Deadline: July 1 or earlier if full

Both Registration and payment must be received for a student to be registered.

Pay online, email payment confirmation number to jcavanaugh@psharvard.org or check payable to: Town of Harvard

CIRCUIT MAKERS 101 Grades 1-3

Let's get creative with electricity! In this junior version of our 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.

July 15-19, 2019
9 a.m.-Noon

Class Minimum: 8
Hildreth Elementary School

Class Limit: 20
Fee: \$175

HANDS ON ELECTRONICS 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 computer whizzes 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.

July 15-19, 2019
1 p.m.-4 p.m.

Class Minimum: 8
Hildreth Elementary School

Class Limit: 20
Fee: \$175

Class size is limited. Registration is on a first-come first served basis. Minimum enrollment must be met for a class to run.

Late pick-up will result in a \$1.00 per minute fee payable immediately to the instructor.

REFUND POLICY: Class fee is non-refundable. Check will be returned only if a class is canceled.

Please know that it is the policy of the Harvard Public Schools not to discriminate on the basis of race, color, sex, gender identity, religion, national origin, age, disability, or sexual orientation in its educational programs, activities or employment policies as required by Title IX of the 1972 Educational Amendments, Chapter 199, and Section 504 of the Rehabilitation Act of 1973. The district compliance coordinator is Marie Harrington, Director of Pupil Services, 978-456-4143.