

After-School Electronics Class

Mondays @3:45 - 5:15

Sep 8 – Dec 8

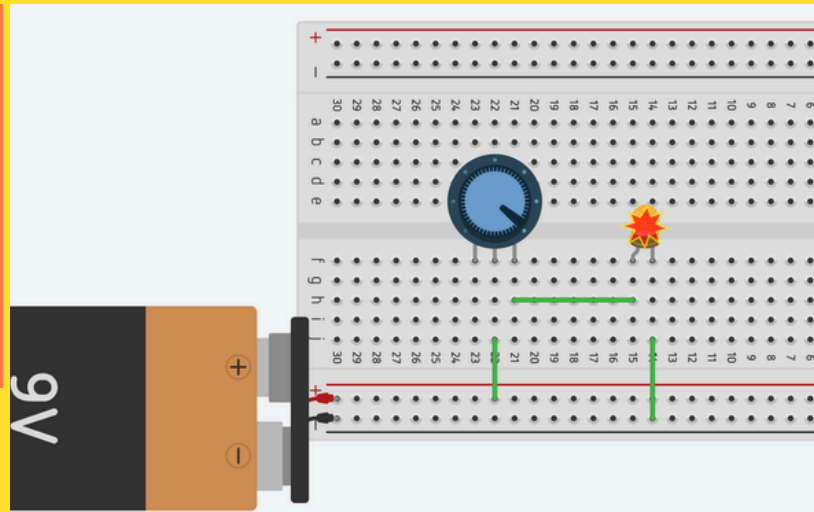
excluding Nov 24 (Thanksgiving Break)

\$30 per class

materials and tools included

Location: PC lab

5th-8th grade



Students of all levels are welcome, even those who cannot differentiate voltage from current.

Starting with the simplest circuits (battery + LED), we add more and more components such as capacitors, transistors, later - some ICs and eventually microprocessors (although not in the first semester).

The main goal of the class is to learn the basic physical principles behind each component and how they are used in electronic devices - through a variety of fun projects - to stimulate students' interest in this field.

As far as the nature of the subject permits, we will try to do this without delving into too much complex math: computer modeling and playing with electronic components on a breadboard should provide some intuitive understanding of what's going on there, and that will form the basis for future regular study of electronics in high school and college.

Class size is limited to a maximum of 5 students to ensure individual attention.

