

FAB LAB TECHNOLOGY

Ozobots - <https://ozobot.com/>

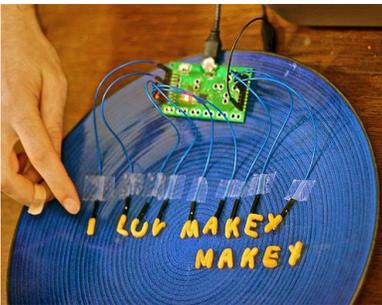


Ozobot is a small smart robot that is programmable through drawn lines and color codes, and through our easy-to-use OzoBlockly editor in which you can create autonomous behavior and complex programs. Your students will learn robotics and programming with a hands-on approach. Ozobot makes STEM/STEAM engaging and seamlessly supports lessons ranging from math and science to art and literature.

Approximate Price Range: \$59 (for BIT Ozobot) to \$99 (for EVO Ozobot).

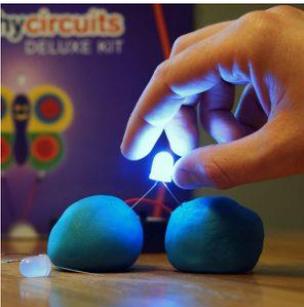
<http://files.ozobot.com/stem-education/ozobot-educators-guide.pdf>

Makey Makey - <https://makeymakey.com/>



With the Makey Makey, students can make any conductive material act as the input device for a computer. Because it comes preprogrammed, students with no coding experience can use it and learn to experiment with it as they start to learn coding. Makey Makey allows students to become hardware engineers and solve real-world design challenges by providing a landscape that fosters curiosity and creates vibrant learners. **Approximate Price Range: \$19.99 (for Makey Makey Go) to \$49.95 (for classic kit) to \$699.95 (for classroom STEM pack).** <https://makeymakey.com/education/>

Squishy Circuits - <https://squishycircuits.com/>



Squishy Circuits uses conductive and insulating play dough to teach the basics of electrical circuits in a fun, hands-on way. Just add batteries and our pre-made doughs (or make your own dough with the provided recipes), and let your creations come to life as you light them up with LEDs, make noises with buzzers, and spin with the motor. **Approximate Price Range: \$30 (for standard kit) to \$60 (for deluxe kit).** <http://squishycircuits.com/store/>

Wiggle-Bots - <https://teachergeek.com/products/wiggle-bots>



Wiggle-Bots are motorized contraptions that are designed and built entirely by kids. Wiggle-Bots are more than a fun activity - they truly inspire. Watch eyes widen as wires are connected and Wiggle-Bots start to move. See how understanding and design evolves through experimentation and tinkering. Appreciate the challenge of going beyond step by step instructions and creating something completely new and innovative. It's an incredible experience. How will you wiggle? Your Wiggle-Bot can be designed to do many cool things. **Approximate Price Range: \$7 (for 1) to \$75 (for a class pack of 10).** <http://teachergeek.org/Wiggle-Bot%20Fun%20Build.pdf>