

## Making STEM Kits: Resources

### Resources for Electronics:

- Maker Shed (<http://www.makershed.com/>): Maker kits with Arduino, Raspberry PI, Electronics, Robotics, Learning Toys, and Drones. These items come with all the parts necessary for a project and instructions.
- SparkFun Electronics (<https://www.sparkfun.com/>): Materials for many different electronic and programming projects, including Arduino, Raspberry PI, LilyPad, LogicBlocks, etc. This site also has pieces for projects if you need replacement items. Some of the kits have instructions.
- Squishy Circuits (<http://courseweb.stthomas.edu/apthomas/SquishyCircuits/>): This site has the information about making the conductive and non-conductive clay and how to make circuits using the clay. To purchase the squishy circuits kit, you need to go to another site, such as MakerShed or Amazon.
- Makey Makey (<http://makeymakey.com/>): Circuits and wires needed to turn anything conductive into a keyboard or computer controller. The kit doesn't come with directions, but there are directions on the website. This item can be purchased through other sites, such as Sparkfun, MakerShed, and Amazon.
- Chibitronics (<http://chibitronics.com/>): Kits provide all the materials to create electronic cards and notebooks, with really cool sticker LEDs. Instructions are included. The kits and replacement parts can be purchased on the site or through MakerShed, Sparkfun, or on Amazon.
- LittleBits (<http://littlebits.cc/>): Materials in kits that allow you to create electronic inventions that move, glow, and make noise. Kits come with directions for multiple projects. Electronic pieces snap together and are magnetized for easier assembly. Replacement materials available. Kits are available directly or from MakerShed, Sparkfun, and Amazon.
- Snap Circuits (<http://www.snapcircuits.net/>): Each set contains circuit pieces that snap together, allowing you to build radios, fans, doorbells, and other projects. The sets come with directions for multiple projects and all the necessary pieces plus a snap board to attach materials to. Snap Circuit kits can be purchased through Amazon or from Elenco.

### Other Projects:

- TEDCO Toys (<http://www.tedcotoys.com/>)
- 4M by Toymith (<http://www.toymith.com/brands-categories/4m/>)
- OWI Kits (<http://www.owirobot.com/>)

### Materials Purchased through Amazon, Target, Staples, Jo-Ann, or Walmart

- Belkin computer toolkits
- Canon Selphy photo printer, ink, & photo paper
- Rubbermaid Roughneck 66 quart totes
- LEGO building plates & mat/cinch bags
- Miscellaneous Items: Conductive thread, LEDs, Lithium coin batteries, Mod Podge, Fishing line, Binders, Scissors, Staplers, Rubber bands, Rulers, Fabric, etc.