In MAKESHOP, we like to explore electronics by providing context and as much hands-on experience as possible. By taking old electronics (e.g., printers, computer towers) apart, we use components in new ways to make electricity familiar and accessible. The following resources illustrate a variety of electronic projects for exploration at home and school.

MaKey MaKey • http://www.makeymakey.com/
MaKey MaKey (MM) is a circuit board that connects to computers with a USB cable. It can be purchased for $49.95 (+shipping) through the MM website. Users can activate MM as an extension of a computer, connecting conductive materials (e.g., aluminum foil, a house key, a banana) to the board with alligator clips and using those conductive materials as a circuit with which to control the computer’s keyboard and mouse. MM can become a video game controller for Scratch games.

“MaKey MaKey – An Invention Kit for Everyone” • https://youtu.be/rfQqh7iCcOU

DIY • https://diy.org/search/electronics
DIY is a collaborative resource where users can earn badges for skill-building in specific making subjects.

How to Get What You Want • http://www.kobakant.at/DIY/
How to Get What You Want offers a strong focus on e-textiles, or soft circuits, and various project suggestions and tutorials.

Instructables > Electronics • http://www.instructables.com/howto/electronics/
Instructables is a collaborative, how-to resource where users can view and submit step-by-step guides to a variety of project categories.

Make: Technology • http://makezine.com/category/technology/
Make: provides project tutorials, maker news, and educator resources. Resources specific to technology can be found on their Projects page.

SparkFun > Learn • https://learn.sparkfun.com
SparkFun is both a retailer for electronic products as well as a resource provider for makers and educators. Support is offered for multiple kinds of circuit boards and software through tutorials and articles.

“MaKey MaKey Quickstart Guide” • https://learn.sparkfun.com/tutorials/makey-makey-quickstart-guide