

Circuits & Hardware Resources

Bare Conductive Paint & Paintbrush Set

Draw, print, and design paintable sensors. Make interactive projects using Electric Paint!



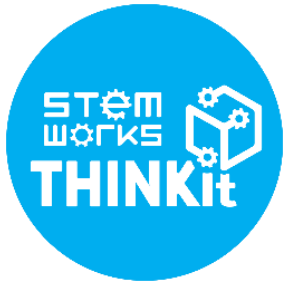
Tutorials –

<https://www.bareconductive.com/make>



Bare Conductive Paint – Resource Guide –

<https://www.bareconductive.com/make/resource-guide>



Circuits & Hardware Resources

Conductive Connections Kit

Includes: Coin Batteries, Copper Tape, LED & Resistors



Getting Started with Basic Circuits –
<https://chibitronics.com/how-to/#getting-started>



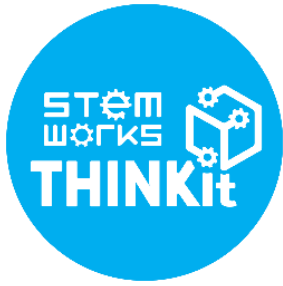
Paper Circuits with Copper Tape -
<http://highlowtech.org/?p=2505>



Paper Circuits –
<https://tinkering.exploratorium.edu/paper-circuits>



Scratch Paper Sound Experiments –
<https://tinkering.exploratorium.edu/2016/07/20/scratch-paper-sound-experiments>



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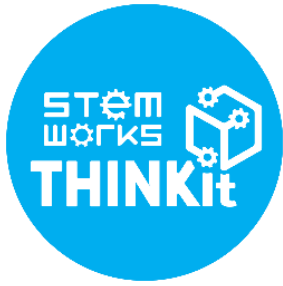
Conductive Connections & Wearables Kit

Includes: Coin Batteries, Copper Tape, LED & Resistors, Conductive Thread, and Sewing Needles



Sewn Circuits –

<https://tinkering.exploratorium.edu/sewn-circuits>



Circuits & Hardware Resources

K'Nex Solar Energy

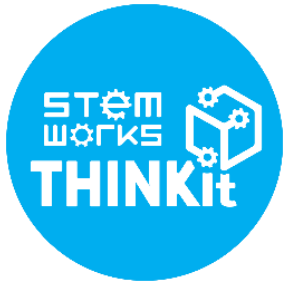
Harness the power of the sun with the K'NEX Education investigating Solar Energy Set!



K'Nex Solar Energy Teacher's Guide –
<http://media.knex.com/education/teachers-guides/77075-TG-Solar-Energy.pdf>



20 Incredible Solar Powered Inventions –
<http://www.nationalobserver.com/2016/04/22/news/20-incredible-solar-powered-inventions-infographic>



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LittleBits Gadgets & Gizmos

The Gizmos & Gadgets Kit comes with electronic building blocks, detailed instructions for premade projects, and all the accessories and tools you need to unleash the inventor within!



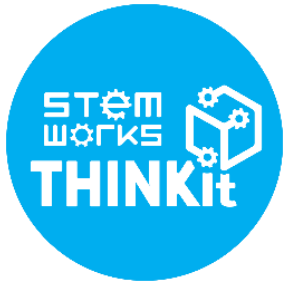
LittleBits Projects –
<http://littlebits.cc/projects>



LittleBits App –
<http://littlebits.cc/app>



LittleBits Community –
<http://littlebits.cc/category/community>



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Makey Makey

An Invention Kit for everyone! Just plug, clip, and play! No programming knowledge needed.



Makey Makey Classic How-To –
<http://makeymakey.com/how-to/classic>



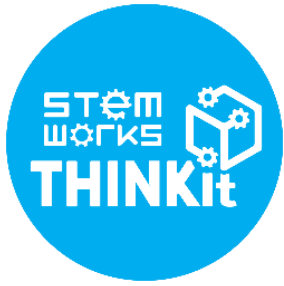
Makey Makey Activity Guides –
<http://makeymakey.com/guides>



Makey Makey Apps –
<http://makeymakey.com/apps>



Makey Makey Example Projects (Pinterest) –
<https://www.pinterest.com/zackboston/makey-makey>



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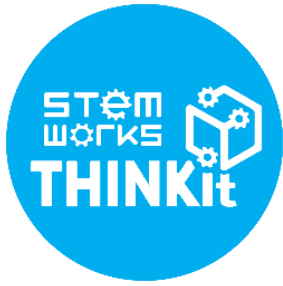
Multimeter

Multimeters are used to measure voltage and currents in circuits, batteries, and electronics.



Multimeter Tutorial –

<https://learn.sparkfun.com/tutorials/how-to-use-a-multimeter>



Circuits & Hardware Resources

Snap Circuits

Snap Circuits help students learn about electricity by letting them create doorbells, radio, alarms, flashlights, and more!



Snap Circuits Projects 1 – 101 –

http://www.elenco.com/admin_data/pdffiles/753102.pdf



Snap Circuits Projects 102 - 305 –

http://www.elenco.com/admin_data/pdffiles/753098.pdf



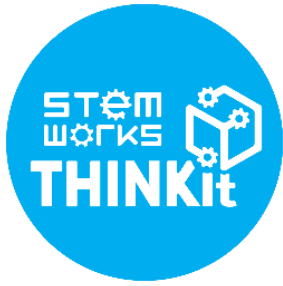
Snap Circuits Projects 306 – 511 –

http://www.elenco.com/admin_data/pdffiles/753104.pdf



Electronic Circuits Workshop –

<https://www.uccs.edu/Documents/pipes/snapcircuits.pdf>



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Electronics Guide

Learn the basics of electronics and circuits!



The Simple Guide To Learning Electronics For Beginners –
<https://www.build-electronic-circuits.com/electronics-for-beginners>



Basic Electronic Components Used in Circuits –
<https://www.build-electronic-circuits.com/basic-electronic-components>