

# Circuits & Hardware Resources

## Bare Conductive Paint & Paintbrush Set

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



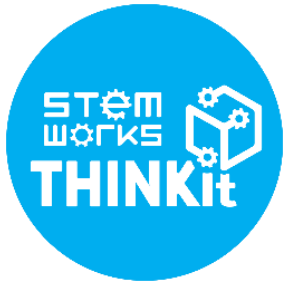
Tutorials –

<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>



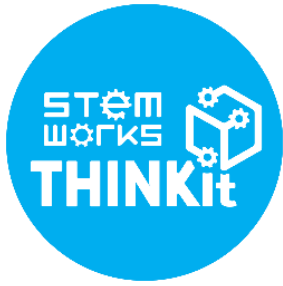
Paper Circuits with Copper Tape -  
<http://highlowtech.org/?p=2505>



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



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



# Circuits & Hardware Resources

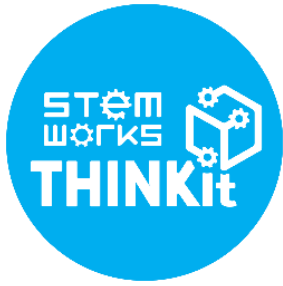
## Conductive Connections & Wearables Kit

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

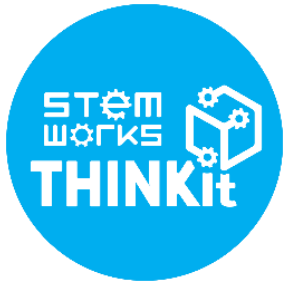
Harness the power of the sun with the K'NEX Education investigating Solar Energy Set!



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>



# Circuits & Hardware Resources

## 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!



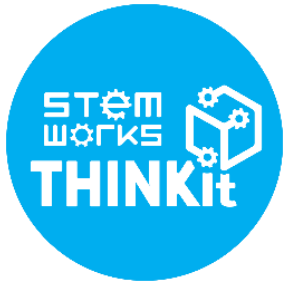
LittleBits Projects –  
<http://littlebits.cc/projects>



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



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



# Circuits & Hardware Resources

## 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>



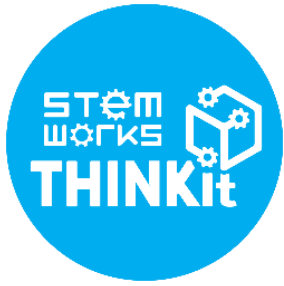
Makey Makey Activity Guides –  
<http://makeymakey.com/guides>



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



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



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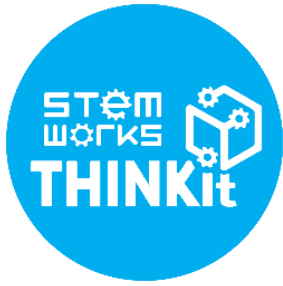
## Multimeter

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](http://www.elenco.com/admin_data/pdffiles/753102.pdf)



Snap Circuits Projects 102 - 305 –

[http://www.elenco.com/admin\\_data/pdffiles/753098.pdf](http://www.elenco.com/admin_data/pdffiles/753098.pdf)



Snap Circuits Projects 306 – 511 –

[http://www.elenco.com/admin\\_data/pdffiles/753104.pdf](http://www.elenco.com/admin_data/pdffiles/753104.pdf)



Electronic Circuits Workshop –

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