

PAPER ELECTRONICS RESOURCES LIST

NOTE: For the friendly online version (and to add your own links!) go to the document at: <https://tinyurl.com/chibitronics>

And if you have questions, you can contact Jie Qi at info@chibitronics.com

CHIBITRONICS:

- ☐ **Site:** <http://chibitronics.com/>
- ☐ **Facebook:** <https://www.facebook.com/circuitstickers/>
- ☐ **Twitter:** <https://twitter.com/chibitronics>
- ☐ **Instagram:** <https://www.instagram.com/chibitronics/>
- ☐ **Video tutorials:** <https://chibitronics.com/how-to/>
- ☐ **Full Circuit Sticker Sketchbook download:** <http://bunniefoo.com/chibi/sketchbook-en-v1.pdf>
- ☐ **Simple card template:** https://chibitronics.com/chibi_simple_template/

LOVE TO CODE:

- ☐ **Love to Code:** <https://chibitronics.com/lovetocode/>
- ☐ **Text editor:** <https://ltc.chibitronics.com/>
- ☐ **Makecode block editor:** <https://makecode.chibitronics.com/>
- ☐ **Conductive patch tutorial:** <http://chibitronics.com/conductive-fabric-circuit-patches/>
- ☐ **Soldering on paper tutorial:** <http://chibitronics.com/how-to-solder/>
- ☐ **USB cable hack tutorial:** <https://chibitronics.com/usb-power/>

PRESENTATIONS & SLIDES:

- ☐ **Jie's PhD defense presentation:** <https://www.youtube.com/watch?v=Zhvtm3z7cP4>
- ☐ **ISTE & SEPT (June 2016):** https://dl.dropboxusercontent.com/u/14193394/ISTE_2016.pdf
- ☐ **ISTE 2017:** <https://docs.google.com/presentation/d/1uQTljxnaMPraKRaikuBoCwFL0i4wLNHlPuBix-NI5Q8/edit?usp=sharing>

VIDEOS & PROJECT PAGES:

- ☐ **Electronic Pop-up Book:** <http://technolojie.com/454/>
- ☐ **Self-folding paper:** <http://technolojie.com/inputoutput-paper/>
- ☐ **Dandelion Painting:** <http://technolojie.com/pu-gong-ying-tu-dandelion-painting/>
- ☐ **Heart blush card:** <https://www.youtube.com/watch?v=HMI2UXk-As0>
- ☐ **Circuit Stickers intro:** <https://vimeo.com/79645054>
- ☐ **Sample Sketchbook:** <https://www.youtube.com/watch?v=6jUhnLCJ5z8>

MATERIALS & TOOLS:

- ☐ **General useful electronic components:** <http://highlowtech.org/?p=1300>
- ☐ **General guide on textiles and crafts blended with electronics:** <http://www.kobakant.at/DIY/>
- ☐ **Bulk coin cell batteries:** <http://www.digikey.com/product-detail/en/CR2032/P189-ND/31939>
- ☐ **Conductive fabric:** <https://www.sparkfun.com/products/10056>
- ☐ **Conductive double-sided adhesive:** <https://www.adafruit.com/products/1656>
- ☐ **Soldering iron:** <http://www.amazon.com/Weller-WLC100-40-Watt-Soldering-Station/dp/B000AS28UC/>
- ☐ **Lead-free solder:** <http://www.amazon.com/DMiotech%C2%AE-0-8mm-Rosin-Soldering-Solder/dp/B015DM18KU/>
- ☐ **General conductive materials:** www.lessemf.com
- ☐ **Velostat for making pressure sensors:** <https://www.adafruit.com/product/1361>

EDUCATOR PAPER ELECTRONICS RESOURCES:

- ☐ **21st Century Notebooking Google Group:** <https://plus.google.com/u/0/communities/106297899247135466221>
- ☐ **Nexmap Hack Your Notebook:** <http://www.nexmap.org/21c-notebooking-io>
- ☐ **Exploratorium Paper Circuits:** <http://tinkering.exploratorium.edu/paper-circuits>
- ☐ **Instructables Chibitronics tutorials:** <http://www.instructables.com/howto/chibitronics/>
- ☐ **Bling the Book: Circuits on Paper:** <http://blingthebook.blogspot.com/>
- ☐ **Paper Circuits Code resources:** <http://jeanninehuffman.weebly.com/paper-circuit-resources.html>
- ☐ **Sparkfun Paper Electronics guide:** <https://learn.sparkfun.com/tutorials/the-great-big-guide-to-paper-circuits>

RESEARCH PUBLICATIONS:

PhD dissertation: Paper Electronics: Circuits on Paper for Learning and Self-Expression

By Jie Qi https://dl.dropboxusercontent.com/u/29707586/Jie_dissertation.pdf

Paper Electronics with Circuit Stickers

By Jie Qi, Jennifer Dick and David Cole https://dl.dropboxusercontent.com/u/14193394/Paper_electronics_makeology_final_references.pdf

Sketching in Circuits: Designing and Building Electronics on Paper

By Jie Qi and Leah Buechley https://dl.dropboxusercontent.com/u/14193394/Circuit_sketchbook_Final_small.pdf

Electronic Popables: Exploring Paper-Based Computing through an Interactive Pop-up Book

By Jie Qi and Leah Buechley https://dl.dropboxusercontent.com/u/14193394/electronic_popup.pdf

Felted Paper Circuits Using Joomchi

By Nicholas A. Knouf <http://zeitkunst.org/sites/default/files/publications/Knouf2017a%20Felted%20Paper%20Circuits%20Using%20Joomchi.pdf>

BOOKS:

Art of Tinkering

by Karen Wilkinson and Mike Petrarch <https://www.amazon.com/Art-Tinkering-Karen-Wilkinson/dp/1616286091/>

Make: Paper Inventions: Machines that Move, Drawings that Light Up, and Wearables and Structures You Can Cut, Fold, and Roll Paperback

by Kathy Ceceri <https://www.amazon.com/Make-Inventions-Machines-Wearables-Structures/dp/1457187523/>

Big Book of Makerspace Projects: Inspiring Makers to Experiment, Create, and Learn

By Colleen Graves and Aaron Graves <https://www.amazon.com/Big-Book-Makerspace-Projects-Experiment/dp/1259644251/>

Makeology: Makerspaces as Learning Environments (Volume 1)

Edited by Kylie Peppler, Erica Halverson, Yasmin B. Kafai <https://www.amazon.com/Makeology-Makerspaces-Environments-Kylie-Peppler/dp/1138847771/>

OTHER RESOURCES? PLEASE ADD!

Makeology: Makers as Learners (Volume 2)

Edited by Kylie Peppler, Erica Rosenfeld Halverson, Yasmin B. Kafai <https://www.amazon.com/Makeology-Makers-as-Learners-2/dp/113884781X/>

Invent to Learn

By Sylvia Martinez and Gary Stager <https://www.amazon.com/Invent-Learn-Tinkering-Engineering-Classroom/dp/0989151107/>

Invent to Learn: Guide to Fun

By Josh Burkner and Sylvia Martinez <https://www.amazon.com/Invent-Learn-Guide-Fun/dp/0989151182/>