

**Superiorland Library Cooperative**  
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**Maker Space** is a place for creation, collaboration, innovation and entrepreneurship. A Makerspace is simply a place people can go to get the training, tools, and camaraderie to start turning their ideas into physical things.

Also known as, "Make it @ Your Library". ALA website - <http://makeitatyourlibrary.org/>

MakerSpace incorporates instructors and local makers to lend their skills to projects to help grow the local maker community. It offers access to some tools and small classes filled with enthusiastic learners.

Areas of Study and creativity for a Maker Space (just some suggestions):

Electronics

Projects:

- [Raspberry Pi Projects](#)
- [Arduino Projects](#) (Robot Building)
- Soldering and circuit bending

Items:

- [Raspberry Pi Projects](#) starter kits
- [Arduino Projects](#)
- Soldering Gun
- Dual-boot notebook to Linux and Windows
- [Spark Fun kits](#)
- A digital oscilloscope
- A USB oscilloscope
- Two function generators
- Two power supplies
- Two variable temperature soldering irons

3D scanning and printing

Projects:

- 3-D printing
- 3-D scanning
- Laser cutter

Items:

- [3-D Printer](#) - Staples sell these
- [3-D Scanner](#) – also sold at Staples
- [A Cricut Expression 2 craft cutter](#)
- [Build your own laser cutter](#)

DIY Crafting

Projects:

- Sewing
- Scrapbooking

- Knitting or Crocheting
- Cross-stitching
- Papercraft
- Jewelry

Items:

- Sewing Machine – (A [Bernina model 1008](#) sewing machine)
- [A Cricut Expression 2 craft cutter](#)
- [Eggbot](#)
- Craft supplies

### *Miscellaneous*

Projects:

- Legos
- Lego Robotics
- Digital Music
- Movies
- Games

Items:

- Legos
- [Lego Mindstorms](#)
- Computers with software
- Wacom Bamboo Create Tablet
- High Resolution Scanner
- Sony HDR Digital Video Camera
- Tripod
- Softbox lighting kit
- Green Screen
- Blue Yeti Microphone
- Senheiser pro headphones

Tool kit with general tools

Suggested Software:

- Adobe Creative Suite - \$150.00 from Techsoup (digital media development from website design, to editing photos)
- Sketchbook Express - \$199.99 at CDWG (Sketching and painting software)
- iBooks Author – free from Apple Store to be used on an apple device (Creating Books)
- Anime Studio - \$187.52 at CDWG (Animation editing)
- Magna Studio EX4 - \$96.75 at CDWG (for comic editing)
- Corel Painter Essentials - \$24.93 at CDWG (Photo Editing)
- iPhoto - \$14.99 from iTunes to be used on an apple device (editing photos)
- Final Cut Pro - \$299.99 from itunes store (Video editing)
- iMovie - \$14.99 from Apple Store to be used on an apple device (for turning picts and clips into a movie)
- Garage Band - free from iTunes to be used on an apple device (learn, play, record, mix, and share great-sounding music)

- PhotoBooth - \$95.00 - [http://www.breezesys.com/purchase\\_webcam.htm](http://www.breezesys.com/purchase_webcam.htm)  
(Photobooth software for a webcam)
- Audacity – free - <http://audacity.sourceforge.net/> (Audio recording and editing)
- Handbrake – free - <http://handbrake.fr/> (Video Converter)
- Xcode – free from Apple Store to be used on an Apple Device
- Google Sketchup – free - <http://google-sketchup.en.softonic.com/> (3D drawing)
  
- Blender – free - <http://www.blender.org/download/> (Animation)
- MakerWare – free - <http://www.makerbot.com/makerware/> (3d Printing)
- OpenSCAD – free - <http://www.openscad.org/> (3D CAD software)
- ReplicatorG – free - <http://replicat.org/> (3D Printing)