

## STUFF TO DO any time at Idea Studio

### littleBits

Easy-to-use electronic, snap-together building blocks that let you invent anything, from a remote-controlled car to a smarthome device. No soldering, wiring or programming needed.

### Lego

Classic and architecture-style building blocks.

### Jewelry/Kilobyte Couture

Create necklaces, bracelets, rings, earrings and key chains using upcycled electronic components or standard jewelry parts.

### Fuse beads

Use an iron to meld beads together to make all kinds of ornaments and crafts.

### Shrinky Dinks

Color a design and staff will bake it for you. Shrinky Dink sheets are 50¢ each.

### Alcohol ink glass

Bring your own glassware to paint with vibrant alcohol inks.

### Kaossilator

Music synthesizer that can produce a range of sounds and music loops.

### Origami

Classic folded-paper craft.

### Adult coloring sheets

Variety of choices, with gel pens.

### Friendship bracelets

Make a simple round loom and use it to braid embroidery floss to make friendship bracelets.

### Community art

Everyone invited to contribute to ever-changing, new projects.

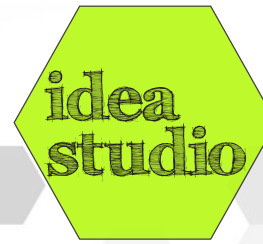
## HOURS: By appointment

To make an appointment, email or call the Idea Studio

**920-322-3946 • ideastaff@fdlpl.org**

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# menu

| EQUIPMENT at Idea Studio   | BADGE REQUIRED | MUST RESERVE |
|--|----------------|--------------|
| <b>3-D printers: Prusa i3 MK3S &amp; Ultimaker 3 Extended.</b><br>Print 3-D objects in PLA plastic. Must remain present while printing.        | X              | X            |
| <b>3-D scanner.</b> Structure 3-D sensor scans objects and people to generate 3-D models that can be used for 3-D printing and other purposes. | X              |              |
| <b>Recording and production studio.</b> Record or edit music, interviews, podcasts or other media.   | X              | X            |
| <b>VHS tape-conversion station.</b> Convert to DVD or digital video file on USB drive.   |                | X            |
| <b>Serger: Janome MyLock 634D.</b> Specialized sewing machine that trims fabric as it sews an overlock stitch.                                 | X              |              |
| <b>Sewing machine: Janome Schoolmate.</b><br>Basic all-purpose sewing machine  | X              |              |
| <b>Silhouette cutter.</b> Cuts letters, designs and shapes out of vinyl, paper and other materials.  | X              |              |
| <b>Button maker.</b> Create 2¼-inch buttons from your own artwork. Templates available upon request.   |                |              |
| <b>Comb binding machine.</b> Bind pages to make a book.<br>1 & 1.5-inch black or 1-inch white combs available                                  |                |              |
| <b>X-Carve (CNC) machine.</b> 3-D carving machine and software. Carves designs into a variety of materials.                                    | X              | X            |
| <b>Laser engraver/cutter.</b> Engrave/cut myriad materials using original or downloaded designs.   | X              | X            |
| <b>Printmaking press.</b> Create relief prints from linoleum blocks or other materials.  | X              | X            |
| <b>Laminator</b> protects documents with plastic   |                |              |
| <b>Embroidery Machine</b> Embroiders digitally-created designs onto fabric.  | X              | X            |
| <b>Sublimation Printer &amp; Heat Press</b> Prints and then transfers full-color designs onto a variety of surfaces.                           | X              | X            |

**SUPPLIES FOR SALE PER PIECE UNLESS NOTED**

| MATERIAL   | COST   | EQUIPMENT           |
|--|--------|---------------------|
| HDPE 8 x 12 x ½                                  | \$7    | X-Carve             |
| Two-color HDPE 6 x 6 x ¼                         | \$2.50 | X-Carve             |
| Two-color HDPE 8 x 12 x ¼                        | \$5    | X-Carve             |
| Acrylic sheet 8 x 12 x ¼                         | \$6.50 | X-Carve, Laser      |
| Two-color acrylic sheets 8 x 12 x 0.03           | \$7.50 | Laser               |
| Birch plywood 8 x 12 x ½                         | \$4    | X-Carve, Laser      |
| Birch plywood 12 x 12 x ¼                        | \$1.50 | Laser               |
| Bottle opener kit                                | \$14   | Laser               |
| Wood MDF 8 x 12 x ¼                              | \$3    | X-Carve, Laser      |
| Wood MDF 8 x 12 x ¾                              | \$7.50 | X-Carve, Laser      |
| Brown chipboard sheets 9 x 12 x 0.22             | 25¢    | Laser               |
| White foam core 8 x 12 x ½                       | \$1.50 | X-Carve             |
| Circuit board FR-1 blanks, one-sided 2 x 3       | 50¢    | X-Carve, Laser      |
| High-capacity USB                                | \$10   | VHS conversion      |
| DVD-R  | 50¢    | VHS conversion      |
| Bobbin   | 25¢    | Sewing machine      |
| Linoleum 2 x 3                                   | \$1.50 | X-Carve, Laser*     |
| Linoleum 4 x 6                                   | \$3    | X-Carve, Laser*     |
| Blank cards                                      | 75¢    | Printmaking press   |
| Paper/sheet                                      | 25¢    | Printmaking press   |
| Canvas panels                                    | \$1    |                     |
| Shrinky Dink sheets                              | 50¢    |                     |
| Vinyl sticker sheets or rolls, per 12 x 12 piece | 75¢    | Silhouette          |
| Heat-transfer vinyl                              | \$3    | Silhouette          |
| Gridded transfer tape, per 12 x 12 piece         | 75¢    | Silhouette          |
| Buttons  | 25¢    | Button maker        |
| Combs  | 50¢    | Comb binder         |
| Laminator pouch 11 x 8½                          | 25¢    | Laminator           |
| Laminator pouch 17 x 11                          | 75¢    | Laminator           |
| Sublimation printed page                         | \$1.50 | Sublimation printer |
| Sublimation EasySubli page                       | \$4    | Sublimation printer |
| Sublimation mug blank                            | \$3.50 | Sublimation printer |
| Sublimation mask blank                           | \$3.50 | Sublimation printer |
| Embroidery tear-away stabilizer, per foot        | \$1    | Embroidery machine  |
| Embroidery iron-on stabilizer, per foot          | \$1    | Embroidery machine  |
| Embroidery water-soluble stabilizer, per foot    | \$1.50 | Embroidery machine  |

All measurements = height x width x depth in inches

**\*SOME LINOLEUM WORKS ON THE LASER, SOME DOES NOT**

**FREE EQUIPMENT AVAILABLE FOR CHECKOUT USING YOUR LIBRARY CARD**

**TOOLS**

**Cake pans:** Wide variety

**T-Way wrench kit:** Bike repair kit with T-way wrench

**Kill-A-Watt meter:** Monitors home appliance electric consumption

**TECH EQUIPMENT**

**Overhead projector:** Displays transparencies

**Audio recorders (Zoom H2n):** Ultra portable

**Video recorders:** HD video recorder with tripod & windscreen

**Slide projector:** Kodak carousel projector with two trays

**Lytro camera:** Shoot first, focus later

**Guitar pedals:** Variety of effects pedals

**DISCOVER/HOLD**

**To learn more and to place holds, enter "equipment" in the Catalog search bar @ fdpl.org or call the Help Desk at 920-322-3929.**

**TECH TOYS**

**Circuit Scribe Maker Kit:** Create circuits by drawing

**Squishy Circuits:** Conductive & insulating play dough

**Kano Kits:** Computer you can build & code yourself on Raspberry Pi

**Makey Makey Kits:** Turn everyday objects into keyboards, game controllers & more

**littleBits kits:** Magnetic electronic building blocks.

**Microscope:** This USB digital microscope equipped with a 7 inches large HD LCD screen provides a broad field of view for easy viewing.

**Sphero:** Programmable robot ball.

**Mobile hotspot:** Wireless device that provides high-speed communication and connection to the Internet.

**Webcam:** Web camera with light ring, microphone and attached 5 foot USB cord + 1 tripod

**Telescope:** Small, compact and mobile. Easy to use, and optimal for beginners

**Arduino:** Open-source mini computers that can function as the brains in everything from drones to Christmas light shows.

**BORROWING EQUIPMENT**

Valid FDL Public Library account required; children 16 & under must have a caregiver's signature.

Checkout limit: 7 days.

Overdue fees are \$1 a day, with charges for missing pieces or parts.

Equipment can include instructions, product guides and project ideas. Some of the equipment requires software to be downloaded on the home computer.

Equipment can be shipped for pickup at FDLPL Express branch.