### EQUIPMENT at Idea Studio

<table>
<thead>
<tr>
<th>Equipment</th>
<th>Badges Required</th>
<th>Must Reserve</th>
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<tbody>
<tr>
<td><strong>3-D printers</strong>: Makerbot Replicator 2, Ultimaker 3 Extended &amp; Prusa i3 MK3. Print 3-D objects in PLA plastic. Must remain present while printing.</td>
<td>X</td>
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<tr>
<td><strong>3-D scanner.</strong> Structure 3-D sensor scans objects and people to generate 3-D models that can be used for 3-D printing and other purposes.</td>
<td>X</td>
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<tr>
<td><strong>Recording and production studio.</strong> Record or edit music, interviews, podcasts or other media.</td>
<td>X</td>
<td>X</td>
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<td><strong>VHS tape-conversion station.</strong> Convert to DVD or digital video file on USB drive.</td>
<td>X</td>
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<tr>
<td><strong>Sewing machine: Janome Schoolmate.</strong> Basic all-purpose sewing machine</td>
<td>X</td>
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<tr>
<td><strong>Silhouette cutter.</strong> Cuts letters, designs and shapes out of vinyl, paper and other materials.</td>
<td>X</td>
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<tr>
<td><strong>Comb binding machine.</strong> Bind pages to make a book. 1 &amp; 1.5-inch black or 1-inch white combs available</td>
<td>X</td>
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<tr>
<td><strong>Carvey (CNC) machine.</strong> 3-D carving machine and software. Carves designs into a variety of materials.</td>
<td>X</td>
<td>X</td>
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<tr>
<td><strong>Laser engraver/cutter.</strong> Engrave/cut myriad materials using original or downloaded designs.</td>
<td>X</td>
<td>X</td>
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<tr>
<td><strong>Printmaking press.</strong> Create relief prints from linoleum blocks or other materials.</td>
<td>X</td>
<td>X</td>
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<tr>
<td><strong>Laminator</strong>. Protects documents with plastic.</td>
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### 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.
**BORROWING EQUIPMENT**

Valid FDL Public Library account required; children 16 & under must have a parent’s or guardian’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.

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### TECH EQUIPMENT

**Computer projector**: Hooks up to computer to project presentations, movies, etc.

**Portable screen**: 70-inch screen on tripod

**Overhead projector**: Displays transparencies

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

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

**DVD laser lens cleaner**: Optimizes sound quality

**CD lens cleaner**: Optimizes sound quality

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

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

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### ENTERTAINMENT

**Portable DVD player**: With remote, battery & AC power adapter

**Outdoor party games**: Wide variety, including cornhole, Giant Jenga & more

**Guitar pedals**: Variety of effects pedals

**E-readers**: Preloaded Nooks & Kindles. Choose for kids, teens or adults.

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### SUPPLIES FOR SALE

**MATERIAL** | **COST** | **EQUIPMENT**
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HDPE 8 x 12 x ½ | $7 | Carvey
Two-color HDPE 6 x 6 x ¾ | $2.50 | Carvey
Two-color HDPE 8 x 12 x ¾ | $5 | Carvey
Acrylic sheet 8 x 12 x ¼ | $6.50 | Carvey, Laser
Two-color acrylic sheets 8 x 12 x 0.03 | $7.50 | Laser
Birch plywood 8 x 12 x ½ | $4 | Carvey, Laser
Birch plywood 12 x 12 x ½ | $1.50 | Laser
Bottle opener kit | $14 | Laser
Wood MDF 8 x 12 x ¾ | $3 | Carvey, Laser
Wood MDF 8 x 12 x ¾ | $7.50 | Carvey, Laser
Brown chipboard sheets 9 x 12 x 0.22 | 25¢ | Laser
White foam core 8 x 12 x ½ | $1.50 | Carvey
Circuit board FR-1 blanks, one-sided 2 x 3 | 50¢ | Carvey, Laser
High-capacity USB | $10 | VHS conversion
DVD-R | 50¢ | VHS conversion
Bobbin | 25¢ | Sewing machine
Linoleum 2 x 3 | $1.50 | Carvey, Laser*
Linoleum 4 x 6 | $3 | Carvey, Laser*
Blank cards | 75¢ | Printmaking press
Paper/sheet | 25¢ | Printmaking press
Canvas panels | $1 | Carvey
Shrinky Dink sheets | 50¢ | Carvey
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

*All measurements = height x width x depth in inches

*SOME LINOLEUM WORKS ON THE LASER, SOME DOES NOT

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

**TOOLS**

**Cake pans**: Wide variety

**Bike locks**: Lock on steel cable with key

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

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

**TECH TOYS**

**3Doodler 2.0**: 3-D printing pen extrudes heated plastic

**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

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### 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.