tinkerlab resources

Equipment

Laser Cutter
The Epilog Zing is our 60 watt C02 laser cutter with a work area of 24" x 12". The laser cutter can cut and engrave a wide variety of materials including wood, glass, acrylic, slate, cork, paper and more. Using Abobe Illustrator and our laser cutter, bring your designs from 2D to 3D with amazing precision.

Carvey by Inventables
This Computer Numerical Control (CNC) machine, the Carvey, uses various sized drill bits to carve 3D designs into wood and plastic. With a work area of 12" X 8" and the beginner friendly Easel software, the Carvey is the perfect machine for those interested in using CNC for the first time.

3D Printer MakerBot Replicator +
The Makerbot Replicator+ makes solid, three-dimensional objects out of melted MakerBot Polylactide (PLA) Filament. The printer will melt PLA filament and squeeze it out onto the build plate in thin lines to build your object layer by layer.

Vinyl Cutter
Cut vehicle graphics, signs and decals, decorated apparel and specialty graphics with the fast and intelligent cutting capabilities of the GS-24 desktop cutter from Roland. With a bit of training, you can personalize t-shirts, jerseys, caps, jackets or quickly and easily create vibrant, eye catching signage with our machine.

Cricut Easy Press
Get professional iron-on results in 60 seconds or less. An evenly heated plate and simple controls make EasyPress™ the foolproof way to get flawless transfers that last. Easy to learn and simple to use. No press cloth needed for most base materials, adjustable heat up to 350 degrees Fahrenheit (180 C), 9x9" base is great for large or layered iron-on projects. Lightweight, portable, easy to store and compatible with major brand of heat-transfer material.

Button Maker
Making customized buttons is easier than ever. With both 1.25" and 2.25" sizes, promote your brand, decorate your apparel and more with our easy to use, two-step button maker. Download images from the internet or design your own and you will have professional looking results in seconds.

Software

Adobe Creative Cloud
Adobe Creative Cloud gives access to the Adobe Creative Suite which can be for graphic design, video editing, web development, photography, and more. In the Tinker Lab you will have access to all applications such as Illustrator, InDesign and Photoshop.

Fusion 360
Fusion 360 connects your entire product development process in a single cloud-based collaborative platform that works on both Apple and PC. This software allows you to go all the way from designing a model to fabrication with a single tool.

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Collections and Databases

Lynda.com provides opportunity learn software, creative techniques and business strategies for all levels with thousands of video tutorials, free with your NHFPL library card. Go at your own pace, follow a Learning Path such as "Becoming a Small Business Owner" or "Starting a Business," and absorb new skills!

Learning Express provides interactive online practice tests and tutorial courses for academic and licensing tests, including business writing, and computer skills tutorials for software such as Adobe Photoshop and Illustrator, and Microsoft Office.

Tinker Lab collections currently have many books that you can borrow in the Tinker Lab. They provide project inspiration, equipment tutorials, and creative DIY ideas.

Equipment to Borrow

All equipment can be checked out from the Ives Squared information desk.

3-D Pen
A 3-D pen allows you to draw in air or on surfaces for flexible designing.

Rasberry Pi Kit
This kit allows you to explore the basics of computing and programming languages.

Sewing Machine
The two Brother sewing machines are capable of creating everything from simple to complex projects.

Meccano Erector Set
The Erector set allows you to construct 25 different models of motorized machines.

Soldering Kit
This iron allows you to melt solder in order to join two or more metal items.

Arduino Kit
This set provides everything you need to start learning Arduino programming.

Vinyl Weeding Kit
These tools allow you to easily remove the negative spaces of vinyl off its backing.

Turing Tumble
The Turing Tumble allows players to build mechanical computers powered by marbles to solve puzzles.