

What is a MakerSpace?

A MakerSpace is a physical location where people gather to share resources and knowledge, work on projects, network, create, and build.

How does it work?

MakerSpace equipment is available on a reservation basis. See a reference librarian to sign up for a time slot to use one of the pieces of equipment.

Who can use it?

All patrons of the library can use the MakerSpace with a valid library card. Patrons 17 years of age and younger need a parent permission.

Why is it significant for the community?

MakerSpaces are zones of self-directed learning. Their hands-on character, paired with tools and machines, support invention, tinkering, and interaction.

Does it cost anything to use?

The use of the 3D printers incurs a fee of \$1/hour of use to offset the cost of materials.

Starter kits are available for the sewing machines, but not necessary. You will want to bring your own fabric and thread.



Peters Township Public Library

616 East McMurray Road

McMurray, PA 15317

724-941-9430

www.ptlibrary.org



Hours:

Mon-Thurs 9 a.m.—9 p.m.

Fri 9 a.m.—5 p.m.

Sat 9 a.m.—4 p.m.

Sun 12 noon—4 p.m.

(September—May)



Peters
Township
Public
Library

SEW

Janome Sewist 500 sewing machine includes 25 stretch and utility stitches, easy snap-on presser feet, built-in needle threader, convertible free arm, and a 1-hand thread cutter.

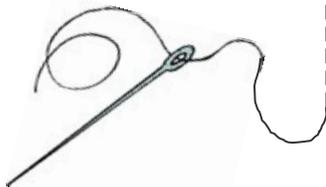


For \$20, purchase a starter sewing kit which includes a small pair of sharp scissors, measuring tape, pins, an empty bobbin, a spool of white sewing thread, 2 fat quarters of material, and seam ripper.

Janome Memory Craft 350e embroidery machine makes it easier than ever to do professional looking embroidery on your own. The machine includes 100 built-in embroidery designs, 3 built-in fonts, 2 or 3 letter monogram designs, and 3 embroidery hoop sizes. Users have the option of selecting from an almost unlimited number of designs using their own USB flash drive.



For \$10, purchase a starter kit which includes a small pair of sharp scissors, neutral shade material, a piece of stabilizer, a pre-wound bobbin of bobbin fill thread, and a friction pen for marking material.



BUILD

3-D Printers are a computer-driven device that makes objects out of a supplied material, in this case, plastic. The printer melts the plastic in a heater and pushes the liquid plastic out of a metal nozzle onto a plate, where the plastic quickly hardens into a solid. The printer builds up plastic layer by layer to create solid objects. Since the process is completely under computer control, just about any shape can be created.

The library is proud to provide 3 different 3D printers:

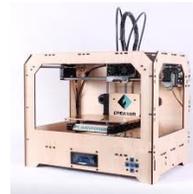
MakerBot Replicator 3D Printer

Prints one color objects. The printer comes loaded with many different designs to print, or you can design your own using special software.



MakerBot Replicator 2X Printer prints in two colors.

FlashForge Creator Printer prints in 2 colors.



The library supplies the plastic filament to create designs. There is a \$1/hour cost to offset the price of materials.

CREATE

Brother Scan n Cut Digital Cutter is the world's first home and hobby cutting machine with a 300 DPI built-in scanner. Scan virtually anything from a handmade drawing to your most cherished photo. The cutter also contains over 600 built-in



designs. Easily cuts a wide variety of material, including fabric.

Dremel 4000 High-Performance is a rotary hand held power tool with a variety of rotating accessory bits and attachments that can be used for cutting, carving, sanding, polishing, routing, grinding, cleaning, engraving, and more. Includes 30 accessories and 2 attachments.



Coming Soon! Ever dream of drawing in 3D?

3Doodler 3D Pen is compact and easy to use. The 3Doodler extrudes heated plastic that cools almost instantly into a solid, stable structure. No computers or software needed.



You'll be able to draw up into the air and create anything you can think of, whether it be jewelry, a decoration, or architectural model.