



## Office of Commonwealth Libraries 2017 Digital Production Lab, Gaming Design Lab, and MakerSpace Directory

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### Digital production or creation lab (place to create videos or sound recordings)

#### Altoona Area Public Library, Altoona

##### Age Levels:

- Elementary school students
- Middle school students
- High school students
- 18 to 29 years of age

##### Type of Space:

- Dedicated space.

##### Equipment:

- 3D printers
- Chemistry equipment or toys, etc.
- Construction equipment or toys, etc. (e.g. building blocks, Keva planks, Legos, Clics, K'nex, etc.)
- Digital production equipment (such as videos, sound recording, etc.)
- Electronic circuitry equipment or toys, etc. (e.g. Makey Makey, Squishy Circuits, littleBits, Cubelets, Snap Circuits, etc.)
- Physics equipment or toys, etc. (catapults, wrecking balls, etc.)
- Robotics equipment or toys, etc.
- Tablets loaded with STEM apps

##### Operating Hours:

- All or nearly all weekly operating hours

##### Staffing:

- Staff or trained volunteers whose primary duty is to help people when they use the STEM space.

##### Comments:

- The 3d printer can be reserved by the public. It provides opportunity for patrons to create their own music, videos or 3d prints. The Creation Lab features a green

screen wall, studio lighting, three cameras and several tripods which can be used inside the Creation Lab to create professional-quality videos or pictures. After recording video on the cameras, patrons can use two Mac Desktop Pro computers equipped with Final Cut Pro X, iMovie, and Aperture to edit video or pictures. For music, a synthesizer and Blue Yeti microphone are available as well as programs such as Garage Band or LogicPro available on a Mac Desktop Pro computer. Lastly, a Makerbot 3D printer is available for use public use with a trained staff member.

Contact:

- Amy Horell, District Library Consultant, [dlc@altoonalibrary.org](mailto:dlc@altoonalibrary.org), 814-946-0417 ext. 134

### **Cheltenham Township Library System - La Mott Library, Elkins Park**

Age Levels:

- Pre-kindergarten
- Elementary school students
- Middle school students

Type of Space:

- Flex-space that is used as needed for STEM activities (such as a multi-purpose meeting room)

Equipment:

- Biology equipment or toys, etc. (e.g. microscopes, anatomy, bacteria kits, plant kits, etc.)
- Chemistry equipment or toys, etc.
- Digital production equipment (such as videos, sound recording, etc.)
- Electronic circuitry equipment or toys, etc. (e.g. Makey Makey, Squishy Circuits, littleBits, Cubelets, Snap Circuits, etc.)

Operating Hours:

- All or nearly all weekly operating hours

Staffing:

- Staff or trained volunteers whose primary duty is to help people when they use the STEM space.

Contact:

- Carolyn Turner-Harris, Branch Manager, [charris@mclinc.org](mailto:charris@mclinc.org), 215-635-4419

### **Chester County Library, Exton PA 19341**

Age Levels:

- Elementary school students
- Middle school students
- High school students
- 18 to 29 years of age
- 30 to 65 years of age
- 66 years of age or older

Type of Space:

- Dedicated space.
- Flex-space that is used as needed for STEM activities (such as a multi-purpose meeting room)

Equipment:

- Biology equipment or toys, etc. (e.g. microscopes, anatomy, bacteria kits, plant kits, etc.)

- Computer programming hardware or software (e.g. Arduino, Raspberry pi, etc.)
- Construction equipment or toys, etc. (e.g. building blocks, Keva planks, Legos, Clics, K'nex, etc.)
- Electronic circuitry equipment or toys, etc. (e.g. Makey Makey, Squishy Circuits, littleBits, Cubelets, Snap Circuits, etc.)
- Robotics equipment or toys, etc.

Operating Hours:

- All or nearly all weekly operating hours

Staffing:

- Limited staff or trained volunteers to help people use the STEM space.

Comments:

- It is not open just yet.

Contact:

- Jeanne Marie Clancy, Head of Youth Services, jclancy@ccls.org, 610-280-2631

### **Erie County Public Library, Erie**

Age Levels:

- 18 and above years of age, or teens with parental permission.

Type of Space:

- Dedicated space.

Equipment:

- iMovie software
- Cameras for photography and videography
- Microphones and recording equipment for podcasts, etc.
- Green screen
- Lighting equipment

Operating Hours:

- All or nearly all weekly operating hours

Staffing:

- Staff or trained volunteers whose primary duty is to help people when they use the STEM space.

Comments:

- Our ideaLAB opens in October 2017 and will provide a dedicated area for digital production. We also offer STEM programming for children up through adults, with the majority of programs aimed towards school aged children. Our programming ranges from Lego and Keva plank Block Parties to KinderCoding, Minecraft Modding, robotics, 3D Printing, and experiments with buoyancy and color mixing. We aim to provide both high and 'low' technology options and to show how STEM is everywhere and accessible to everyone!

Contact:

- Sheryl Thomas, Assistant Director, sthomas@eriecountypa.gov, 814-451-6911

### **Free Library of Philadelphia, Philadelphia**

Age Levels:

- Elementary school students
- Middle school students
- High school students

Type of Space:

- Dedicated space; and

- Flex-space that is used as needed for STEM activities (such as a multi-purpose meeting room)

Equipment:

- Computer programming hardware or software (e.g. Arduino, Raspberry pi, etc.)
- Construction equipment or toys, etc. (e.g. building blocks, Keva planks, Legos, Clics, K'nex, etc.)
- Digital production equipment (such as videos, sound recording, etc.)
- Electronic circuitry equipment or toys, etc. (e.g. Makey Makey, Squishy Circuits, littleBits, Cubelets, Snap Circuits, etc.)
- E-Textile equipment or toys, etc.
- Forensics equipment or toys, etc.
- Physics equipment or toys, etc. (catapults, wrecking balls, etc.)
- Robotics equipment or toys, etc.
- Tablets loaded with STEM apps

Operating Hours:

- 50% or more of weekly operating hours

Staffing:

- Staff or trained volunteers whose primary duty is to help people when they use the STEM space.

Comments:

- Dedicated space: a music studio Flex-space: Maker Jawn, LEAP OST, clubssive programming

Contact:

- Tiffany Nardella, District Consultant, [nardellat@freelibrary.org](mailto:nardellat@freelibrary.org), 215-686-0853

## **Spalding Memorial Library, Athens**

Age Levels:

- Elementary school students
- Middle school students
- High school students
- 18 to 29 years of age
- 30 to 65 years of age
- 66 years of age or older

Type of Space:

- Flex-space that is used as needed for STEM activities (such as a multi-purpose meeting room)

Equipment:

- Digital production equipment (such as videos, sound recording, etc.)
- Drone equipment or toys, etc.
- Electronic circuitry equipment or toys, etc. (e.g. Makey Makey, Squishy Circuits, littleBits, Cubelets, Snap Circuits, etc.)
- Robotics equipment or toys, etc.

Operating Hours:

- All or nearly all weekly operating hours

Staffing:

- Limited staff or trained volunteers to help people use the STEM space.

Comments:

- Our Alienware videoing computers are in a separate space for privacy and noise control.

Contact:

- Tiffany Robbins-Gigee, Director, [trgigee@spaldinglibrary.org](mailto:trgigee@spaldinglibrary.org), 570-888-7117

### **Western Pocono Community Library, Brodheadsville**

Age Levels:

- Pre-kindergarten
- Elementary school students
- Middle school students

Type of Space

- Flex-space that is used as needed for STEM activities (such as a multi-purpose meeting room)

Equipment:

- Construction equipment or toys, etc. (e.g. building blocks, Keva planks, Legos, Clics, K'nex, etc.)
- Digital production equipment (such as videos, sound recording, etc.)

Operating Hours:

- Less than 50% of weekly operating hours

Staffing:

- Limited staff or trained volunteers to help people use the STEM space.

Comments:

- Can only be used when a staff member available to be in the area at this time....otherwise, we have missing or broken parts

Contact:

- Carol H. Kern, Library Director, [wpcl@ptd.net](mailto:wpcl@ptd.net), 570-992-7934

### **Gaming Design Lab (place to create board or computer games)**

#### **Frank Sarris Public Library, Canonsburg**

Age Levels:

- Elementary school students
- Middle school students

Type of Space:

- Flex-space that is used as needed for STEM activities (such as a multi-purpose meeting room)

Equipment:

- Computer programming hardware or software (e.g. Arduino, Raspberry pi, etc.)
- Construction equipment or toys, etc. (e.g. building blocks, Keva planks, Legos, Clics, K'nex, etc.)
- Digital production equipment (such as videos, sound recording, etc.)
- E-Textile equipment or toys, etc.
- Hand tools (e.g. thermal leak detectors, electricity usage meters, voltmeters, laser levels, etc.)
- Robotics equipment or toys, etc.
- Tablets loaded with STEM apps

Operating Hours:

- Less than 50% of weekly operating hours

Staffing:

- Limited staff or trained volunteers to help people use the STEM space.

Contact:

- Peggy Tseng, Director, ptseng@franksarrislibrary.org, 724-745-1308 x2

### **Western Pocono Community Library, Brodheadsville**

Age Levels:

- Pre-kindergarten
- Elementary school students
- Middle school students

Type of Space:

- Flex-space that is used as needed for STEM activities (such as a multi-purpose meeting room)

Equipment:

- Construction equipment or toys, etc. (e.g. building blocks, Keva planks, Legos, Clics, K'nex, etc.)
- Digital production equipment (such as videos, sound recording, etc.)

Operating Hours:

- Less than 50% of weekly operating hours

Staffing:

- Limited staff or trained volunteers to help people use the STEM space.

Comments:

- Can only be used when a staff member available to be in the area at this time....otherwise, we have missing or broken parts

Contact:

- Carol H. Kern, Library Director, wpcl@ptd.net, 570-992-7934

### **Makerspace (place to collaborate and share tools or supplies)**

#### **Annie Halenbake Ross Library, Lock Haven**

Age Levels:

- Elementary school students
- Middle school students
- High school students

Type of Space:

- Dedicated space.

Equipment:

- 3D printers
- Construction equipment or toys, etc. (e.g. building blocks, Keva planks, Legos, Clics, K'nex, etc.)

Operating Hours:

- Less than 50% of weekly operating hours

Staffing:

- Volunteer comes in when a program is scheduled

Comments:

- Renovo Library - 3D printer and Lego Robots programs in summer for youth. Lock Haven and Beech Creek Lego Robots for summer programming

Contact:

- Diane Whitaker, Executive Director, ross1@rosslibrary.org, 5707483321

## **Baden Memorial Library, Baden**

### Age Levels:

- Middle school students
- High school students

### Type of Space:

- Movable STEM Station

### Equipment:

- 3D printers
- Chemistry equipment or toys, etc.
- Construction equipment or toys, etc. (e.g. building blocks, Keva planks, Legos, Clics, K'nex, etc.)

### Operating Hours:

- All or nearly all weekly operating hours

### Staffing:

- Limited staff or trained volunteers to help people use the STEM space.

### Comments:

- Our STEM Station has a 3-D printer on top with Models and Crafts in drawers below. Very basic

### Contact:

- Bernie McKean, Director, [bmckean@beaverlibraries.org](mailto:bmckean@beaverlibraries.org), 724-869-3960

## **Barrett Paradise Friendly Library, Cresco**

### Age Levels:

- Pre-kindergarten
- Elementary school students
- Middle school students

### Type of Space:

- Flex-space that is used as needed for STEM activities (such as a multi-purpose meeting room)

### Equipment:

- Biology equipment or toys, etc. (e.g. microscopes, anatomy, bacteria kits, plant kits, etc.)
- Chemistry equipment or toys, etc.
- Computer programming hardware or software (e.g. Arduino, Raspberry pi, etc.)
- Construction equipment or toys, etc. (e.g. building blocks, Keva planks, Legos, Clics, K'nex, etc.)
- Digital production equipment (such as videos, sound recording, etc.)
- Electronic circuitry equipment or toys, etc. (e.g. Makey Makey, Squishy Circuits, littleBits, Cubelets, Snap Circuits, etc.)
- Laser cutter and etcher/engraver
- Physics equipment or toys, etc. (catapults, wrecking balls, etc.)
- Robotics equipment or toys, etc.
- Tablets loaded with STEM apps

### Operating Hours:

- Less than 50% of weekly operating hours

### Staffing:

- Limited staff or trained volunteers to help people use the STEM space.

### Comments:

- Is available for passive play at least 15 hours per week.

Contact:

- Chelsea Corso, Children's Services Specialist, chelseabpfl@gmail.com, 570-595-7171

### **Bernville Area Community Library, Bernville PA**

Age Levels:

- Pre-kindergarten
- Elementary school students
- Middle school students
- 30 to 65 years of age

Type of Space:

- Flex-space that is used as needed for STEM activities (such as a multi-purpose meeting room)

Equipment:

- Biology equipment or toys, etc. (e.g. microscopes, anatomy, bacteria kits, plant kits, etc.)
- Chemistry equipment or toys, etc.
- Construction equipment or toys, etc. (e.g. building blocks, Keva planks, Legos, Clics, K'nex, etc.)
- Forensics equipment or toys, etc.
- Tablets loaded with STEM apps

Operating Hours:

- All or nearly all weekly operating hours

Staffing:

- Staff or trained volunteers whose primary duty is to help people when they use the STEM space.

Comments:

- The community space is ample enough to use the equipment and store it. Access is scheduled by any activity already planned, and if not and available, lent out.

Contact:

- Alicea Rodig, Co-Director, bacstaff@berks.lib.pa.us, 610-488-1302

### **Bucks County Free Library, Doylestown**

Age Levels:

- Elementary school students
- Middle school students

Type of Space:

- Flex-space that is used as needed for STEM activities (such as a multi-purpose meeting room)

Equipment:

- 3D printers
- Biology equipment or toys, etc. (e.g. microscopes, anatomy, bacteria kits, plant kits, etc.)
- Construction equipment or toys, etc. (e.g. building blocks, Keva planks, Legos, Clics, K'nex, etc.)
- Electronic circuitry equipment or toys, etc. (e.g. Makey Makey, Squishy Circuits, littleBits, Cubelets, Snap Circuits, etc.)
- Physics equipment or toys, etc. (catapults, wrecking balls, etc.)

Operating Hours:

- Less than 50% of weekly operating hours

Staffing:

- Staff or trained volunteers whose primary duty is to help people when they use the STEM space.

Comments:

- Equipment: snap circuits, dash dot robots, BB8, Makey Makey, Samsung Gear VR. We use meeting rooms or open space in the library as needed to set up STEM workshops/activities for specified dates and times.

Contact:

- Dianne Wachtendorf, Children's Services Coordinator, wachtendorfd@buckslib.org, 215-348-9081 ext. 1107

### **Chester County Library, Exton**

Age Levels:

- Elementary school students
- Middle school students
- High school students
- 18 to 29 years of age
- 30 to 65 years of age
- 66 years of age or older

Type of Space:

- Dedicated space; and
- Flex-space that is used as needed for STEM activities (such as a multi-purpose meeting room)

Equipment:

- Biology equipment or toys, etc. (e.g. microscopes, anatomy, bacteria kits, plant kits, etc.)
- Computer programming hardware or software (e.g. Arduino, Raspberry pi, etc.)
- Construction equipment or toys, etc. (e.g. building blocks, Keva planks, Legos, Clics, K'nex, etc.)
- Electronic circuitry equipment or toys, etc. (e.g. Makey Makey, Squishy Circuits, littleBits, Cubelets, Snap Circuits, etc.)
- Robotics equipment or toys, etc.

Operating Hours:

- All or nearly all weekly operating hours

Staffing:

- Limited staff or trained volunteers to help people use the STEM space.

Comments:

- It is not open just yet.

Contact:

- Jeanne Marie Clancy, Head of Youth Services, jclancy@ccls.org, 610-280-2631

### **Community Library of the Shenango Valley, Sharon**

Age Levels:

- Elementary school students
- Middle school students
- High school students

Type of Space:

- Flex-space that is used as needed for STEM activities (such as a multi-purpose meeting room)

Equipment:

- Construction equipment or toys, etc. (e.g. building blocks, Keva planks, Legos, Clics, K'nex, etc.)
- Digital production equipment (such as videos, sound recording, etc.)

Operating Hours:

- Less than 50% of weekly operating hours

Staffing:

- Limited staff or trained volunteers to help people use the STEM space.

Comments:

- During the summers, we use our Community/Meeting Room for our STEM space. During the summer we use motors, batteries, LEDs, and copper wire to create miniature robots. Throughout the year, for Lego Club, E-Reader and other Device, and Gaming Night, use either the Teen Lounge or the main floor to set up our equipment. We have our Legos, Mega Blocks, and our AV cart, as the three main equipment sources during the year.

Contact:

- Abby Kutz, Teen Services Coordinator, akutz@clsv.net, (724) 981-4360

### **Cheltenham Township Library System - La Mott Library, Elkins Park**

Age Levels:

- Pre-kindergarten
- Elementary school students
- Middle school students

Type of Space:

- Flex-space that is used as needed for STEM activities (such as a multi-purpose meeting room)

Equipment:

- Biology equipment or toys, etc. (e.g. microscopes, anatomy, bacteria kits, plant kits, etc.)
- Chemistry equipment or toys, etc.
- Digital production equipment (such as videos, sound recording, etc.)
- Electronic circuitry equipment or toys, etc. (e.g. Makey Makey, Squishy Circuits, littleBits, Cubelets, Snap Circuits, etc.)

Operating Hours:

- All or nearly all weekly operating hours

Staffing:

- Staff or trained volunteers whose primary duty is to help people when they use the STEM space.

Contact:

- Carolyn Turner-Harris, Branch Manager, charris@mclinc.org, 215-635-4419

### **Erie County Public Library, Erie**

Age Levels:

- 18 and above years of age, or teens with parental permission.

Type of Space:

- Dedicated space.

Equipment:

- 3D printers
- Vinyl cutter
- Vacuum former
- Glowforge laser/cutter/engraver
- Soldering iron
- Sewing machines
- 3d pens

Operating Hours:

- All or nearly all weekly operating hours

Staffing:

- Staff or trained volunteers whose primary duty is to help people when they use the STEM space.

Comments:

- Our ideaLAB (makerspace/STEM space) opens in October 2017. We also offer STEM programming for children up through adults, with the majority of programs aimed towards school aged children. Our programming ranges from Lego and Keva plank Block Parties to KinderCoding, Minecraft Modding, robotics, 3D Printing, and experiments with buoyancy and color mixing. We aim to provide both high and 'low' technology options and to show how STEM is everywhere and accessible to everyone!

Contact:

- Sheryl Thomas, Assistant Director, sthomas@eriecountypa.gov, 814-451-6911

## **Free Library of Philadelphia, Philadelphia**

Age Levels:

- Elementary school students
- Middle school students
- High school students

Type of Space:

- Dedicated space; and
- Flex-space that is used as needed for STEM activities (such as a multi-purpose meeting room)

Equipment:

- Computer programming hardware or software (e.g. Arduino, Raspberry pi, etc.)
- Construction equipment or toys, etc. (e.g. building blocks, Keva planks, Legos, Clics, K'nex, etc.)
- Digital production equipment (such as videos, sound recording, etc.)
- Electronic circuitry equipment or toys, etc. (e.g. Makey Makey, Squishy Circuits, littleBits, Cubelets, Snap Circuits, etc.)
- E-Textile equipment or toys, etc.
- Forensics equipment or toys, etc.
- Physics equipment or toys, etc. (catapults, wrecking balls, etc.)
- Robotics equipment or toys, etc.
- Tablets loaded with STEM apps

Operating Hours:

- 50% or more of weekly operating hours

Staffing:

- Staff or trained volunteers whose primary duty is to help people when they use the STEM space.

Comments:

- Dedicated space: a music studio Flex-space: Maker Jawn, LEAP OST, clubssive programming

Contact:

- Tiffany Nardella, District Consultant, nardellat@freelibrary.org, 215-686-0853

### **Laughlin Memorial Library, Ambridge**

Age Levels:

- Pre-kindergarten
- Elementary school students
- Middle school students
- High school students

Type of Space:

- Dedicated space; and
- Flex-space that is used as needed for STEM activities (such as a multi-purpose meeting room)

Equipment:

- Construction equipment or toys, etc. (e.g. building blocks, Keva planks, Legos, Clics, K'nex, etc.)
- Electronic circuitry equipment or toys, etc. (e.g. Makey Makey, Squishy Circuits, littleBits, Cubelets, Snap Circuits, etc.)
- Sewing machines
- Tablets loaded with STEM apps

Operating Hours:

- All or nearly all weekly operating hours

Staffing:

- Limited staff or trained volunteers to help people use the STEM space.

Comments:

- craft supplies, blocks/Legos, iPads

Contact:

- Julie Mulcahy, Director, jmulcahy@beaverlibraries.org, 7242663857

### **McBride Memorial Library, Berwick**

Age Levels:

- Pre-kindergarten
- Elementary school students
- Middle school students

Type of Space:

- Flex-space that is used as needed for STEM activities (such as a multi-purpose meeting room)

Equipment:

- Computer programming hardware or software (e.g. Arduino, Raspberry pi, etc.)
- Construction equipment or toys, etc. (e.g. building blocks, Keva planks, Legos, Clics, K'nex, etc.)
- Digital production equipment (such as videos, sound recording, etc.)
- Physics equipment or toys, etc. (catapults, wrecking balls, etc.)
- Robotics equipment or toys, etc.
- Tablets loaded with STEM apps

Operating Hours:

- Less than 50% of weekly operating hours

Staffing:

- Limited staff or trained volunteers to help people use the STEM space.

Comments:

- We have displays and exhibits from NASA Space Place and a regular STEM after school program. We also offer monthly intergenerational Lego building opportunities and we have a small space in our children's library for free form building play.

Contact:

- Nadine Kramarz, Director, [dls@mcbribrdelibrary.org](mailto:dls@mcbribrdelibrary.org), 5707522241

## **Memorial Library of Nazareth & Vicinity, Nazareth**

Age Levels:

- Pre-kindergarten
- Elementary school students
- Middle school students

Type of Space:

- Flex-space that is used as needed for STEM activities (such as a multi-purpose meeting room)

Equipment:

- Construction equipment or toys, etc. (e.g. building blocks, Keva planks, Legos, Clics, K'nex, etc.)
- Digital production equipment (such as videos, sound recording, etc.)
- Electronic circuitry equipment or toys, etc. (e.g. Makey Makey, Squishy Circuits, littleBits, Cubelets, Snap Circuits, etc.)
- Physics equipment or toys, etc. (catapults, wrecking balls, etc.)
- Tablets loaded with STEM apps

Operating Hours:

- Less than 50% of weekly operating hours

Staffing:

- Staff or trained volunteers whose primary duty is to help people when they use the STEM space.

Comments:

- Used mainly for family programs to get the parents and children together working on a project, building with blocks or Keva etc.

Contact:

- Catherine Stewart, Head of Children's Services/Asst. Director, [cstewart@nazarethlibrary.org](mailto:cstewart@nazarethlibrary.org), 610-759-4932 ext. 6

## **Monongahela Area Library, Monongahela**

Age Levels:

- Pre-kindergarten
- Elementary school students
- Middle school students
- High school students

Type of Space:

- Flex-space that is used as needed for STEM activities (such as a multi-purpose meeting room)

Equipment:

- Astronomy equipment or toys, etc. (e.g. telescopes, etc.)

- Biology equipment or toys, etc. (e.g. microscopes, anatomy, bacteria kits, plant kits, etc.)
- Construction equipment or toys, etc. (e.g. building blocks, Keva planks, Legos, Clics, K'nex, etc.)
- Electronic circuitry equipment or toys, etc. (e.g. Makey Makey, Squishy Circuits, littleBits, Cubelets, Snap Circuits, etc.)
- Hand tools (e.g. thermal leak detectors, electricity usage meters, voltmeters, laser levels, etc.)
- Robotics equipment or toys, etc.

Operating Hours:

- Less than 50% of weekly operating hours

Staffing:

- Limited staff or trained volunteers to help people use the STEM space.

Comments:

- Our building materials are available for use at any time. Public can request time for the use of the other equipment.

Contact:

- Rebecca Dudzik, Assistant Director, monongahelalib@gmail.com, 7242585409

## **Monroeville Public Library, Monroeville**

Age Levels:

- Elementary school students
- Middle school students
- High school students
- 18 to 29 years of age
- 30 to 65 years of age
- 66 years of age or older

Type of Space:

- Dedicated space.
- Flex-space that is used as needed for STEM activities (such as a multi-purpose meeting room)
- We have a dedicated space, but also have STEM programs and activities in the children's room and the program room - flexible spaces.

Equipment:

- 3D printers
- Astronomy equipment or toys, etc. (e.g. telescopes, etc.)
- Computer programming hardware or software (e.g. Arduino, Raspberry pi, etc.)
- Construction equipment or toys, etc. (e.g. building blocks, Keva planks, Legos, Clics, K'nex, etc.)
- Electronic circuitry equipment or toys, etc. (e.g. Makey Makey, Squishy Circuits, littleBits, Cubelets, Snap Circuits, etc.)
- E-Textile equipment or toys, etc.
- Robotics equipment or toys, etc.
- Tablets loaded with STEM apps

Operating Hours:

- All or nearly all weekly operating hours

Staffing:

- Staff or trained volunteers whose primary duty is to help people when they use the STEM space.

Comments:

- The space is used for programming. When programming is not occurring, all patrons are welcome to utilize the materials and equipment within. We have five computers, a large whiteboard, 4 large sets of Little Bits, Lego WeDos, three 3D printers, a Silhouette cutting machine, Makey Makeys, and much more - including large amounts of recycled materials that can be used to create.

Contact:

- Carla White, Technology Librarian, whitec2@einetwork.net, 412-372-0500 x123

## **Mt. Lebanon Public Library, Pittsburgh**

Age Levels:

- Elementary school students
- Middle school students

Type of Space:

- Dedicated space; and
- Flex-space that is used as needed for STEM activities (such as a multi-purpose meeting room); and
- We have a makerspace, but we also use other meeting rooms to hold STEM programs as well.

Equipment:

- 3D printers
- Computer programming hardware or software (e.g. Arduino, Raspberry pi, etc.)
- Construction equipment or toys, etc. (e.g. building blocks, Keva planks, Legos, Clics, K'nex, etc.)
- Electronic circuitry equipment or toys, etc. (e.g. Makey Makey, Squishy Circuits, littleBits, Cubelets, Snap Circuits, etc.)
- E-Textile equipment or toys, etc.
- Robotics equipment or toys, etc.
- Sewing machines
- Tablets loaded with STEM apps

Operating Hours:

- Less than 50% of weekly operating hours

Staffing:

- Limited staff or trained volunteers to help people use the STEM space.

Comments:

- We have a computer lab with mac pros, a 3-D printer and iPads. This space is used for classes. We also have a maker space which is used for classes, book groups, sewing and art clubs, and more. When we need more room, we use our story room or our large meeting room to hold STEM workshops which allow patrons more room to work on their projects.

Contact:

- Connie Mathews, Senior children's Librarian, mathewsc@einetwork.net, 412-531-1912

## **Murrysville Community Library, Murrysville**

Age Levels:

- Pre-kindergarten
- Elementary school students
- Middle school students

Type of Space:

- Dedicated space; and
- Flex-space that is used as needed for STEM activities (such as a multi-purpose meeting room)

Equipment:

- Astronomy equipment or toys, etc. (e.g. telescopes, etc.)
- Biology equipment or toys, etc. (e.g. microscopes, anatomy, bacteria kits, plant kits, etc.)
- Construction equipment or toys, etc. (e.g. building blocks, Keva planks, Legos, Clics, K'nex, etc.)
- Electronic circuitry equipment or toys, etc. (e.g. Makey Makey, Squishy Circuits, littleBits, Cubelets, Snap Circuits, etc.)
- Physics equipment or toys, etc. (catapults, wrecking balls, etc.)
- Robotics equipment or toys, etc.
- Tablets loaded with STEM apps

Operating Hours:

- All or nearly all weekly operating hours

Staffing:

- Limited staff or trained volunteers to help people use the STEM space.

Comments:

- A designated area in the Library "Block City" is used to house building block materials and our conference room is used for maker space events.

Contact:

- Jamie Faló, Library Director, jamie.falo@wlnonline.org, 724-327-1102 x153

## **Palmyra Public Library, Palmyra**

Age Levels:

- Pre-kindergarten
- Elementary school students

Type of Space:

- Flex-space that is used as needed for STEM activities (such as a multi-purpose meeting room)

Equipment:

- Biology equipment or toys, etc. (e.g. microscopes, anatomy, bacteria kits, plant kits, etc.)
- Chemistry equipment or toys, etc.
- Computer programming hardware or software (e.g. Arduino, Raspberry pi, etc.)
- Construction equipment or toys, etc. (e.g. building blocks, Keva planks, Legos, Clics, K'nex, etc.)
- Digital production equipment (such as videos, sound recording, etc.)
- Electronic circuitry equipment or toys, etc. (e.g. Makey Makey, Squishy Circuits, littleBits, Cubelets, Snap Circuits, etc.)
- Forensics equipment or toys, etc.
- Hand tools (e.g. thermal leak detectors, electricity usage meters, voltmeters, laser levels, etc.)
- Physics equipment or toys, etc. (catapults, wrecking balls, etc.)
- Robotics equipment or toys, etc.
- Tablets loaded with STEM apps

Operating Hours:

- 50% or more of weekly operating hours

Staffing:

- Limited staff or trained volunteers to help people use the STEM space.

Contact:

- Amy Shaffer-Duong, Children's Librarian, [missamy@lclibs.org](mailto:missamy@lclibs.org), 717-838-1347

### **Rachel Kohl Community Library, Glen Mills**

Age Levels:

- Pre-kindergarten
- Elementary school students
- Middle school students
- High school students

Type of Space:

- Flex-space that is used as needed for STEM activities (such as a multi-purpose meeting room)

Operating Hours:

- All or nearly all weekly operating hours

Staffing:

- Limited staff or trained volunteers to help people use the STEM space.

Contact:

- Susan Sternberg, Director, [rkdirector@delcolibraries.org](mailto:rkdirector@delcolibraries.org), 610-358-3445

Equipment:

- 3D printers
- Construction equipment or toys, etc. (e.g. building blocks, Keva planks, Legos, Clics, K'nex, etc.)
- Digital production equipment (such as videos, sound recording, etc.)
- Robotics equipment or toys, etc.
- Tablets loaded with STEM apps

### **Redbank Valley Public Library, New Bethlehem**

Age Levels:

- Pre-kindergarten
- Elementary school students
- Middle school students
- High school students

Type of Space:

- Flex-space that is used as needed for STEM activities (such as a multi-purpose meeting room)

Equipment:

- Computer programming hardware or software (e.g. Arduino, Raspberry pi, etc.)
- Construction equipment or toys, etc. (e.g. building blocks, Keva planks, Legos, Clics, K'nex, etc.)
- Digital production equipment (such as videos, sound recording, etc.)
- Electronic circuitry equipment or toys, etc. (e.g. Makey Makey, Squishy Circuits, littleBits, Cubelets, Snap Circuits, etc.)
- E-Textile equipment or toys, etc.
- Robotics equipment or toys, etc.

Operating Hours:

- 50% or more of weekly operating hours

Staffing:

- Limited staff or trained volunteers to help people use the STEM space.

Comments:

- The equipment in the STEM space is set up when we have the programs, and then put away when we are done. There is also space to showcase what the children built with the blocks and Legos.

Contact:

- Janine Strohm, Director, [newbethdirector@gmail.com](mailto:newbethdirector@gmail.com), 8142752870

### **Schuylkill Valley Community Library, Leesport**

Age Levels:

- Pre-kindergarten
- Elementary school students
- Middle school students
- High school students
- 18 to 29 years of age
- 30 to 65 years of age

Type of Space:

- Flex-space that is used as needed for STEM activities (such as a multi-purpose meeting room)

Operating Hours:

- All or nearly all weekly operating hours

Equipment:

- 3D printers
- Construction equipment or toys, etc. (e.g. building blocks, Keva planks, Legos, Clics, K'nex, etc.)
- Digital production equipment (such as videos, sound recording, etc.)
- Electronic circuitry equipment or toys, etc. (e.g. Makey Makey, Squishy Circuits, littleBits, Cubelets, Snap Circuits, etc.)

Staffing:

- Limited staff or trained volunteers to help people use the STEM space.

Comments:

- We have shelves for preschool, elementary, and teens stocked with age appropriate craft supplies, Legos, and toys. We also have a 3D printer available for use.

Contact:

- Christie Himmelreich, Library Director, [svcl@berks.lib.pa.us](mailto:svcl@berks.lib.pa.us), 6109261555

### **Scottdale Public Library, Scottdale**

Age Levels:

- Pre-kindergarten
- Elementary school students
- Middle school students
- High school students
- 18 to 29 years of age
- 30 to 65 years of age
- 66 years of age or older\

Equipment:

- 3D printers
- Computer programming hardware or software (e.g. Arduino, Raspberry pi, etc.)
- Construction equipment or toys, etc. (e.g. building blocks, Keva planks, Legos, Clics, K'nex, etc.)
- Electronic circuitry equipment or toys, etc. (e.g. Makey Makey, Squishy Circuits, littleBits, Cubelets, Snap Circuits, etc.)
- Robotics equipment or toys, etc.

Type of Space:

- Dedicated space.

Operating Hours:

- All or nearly all weekly operating hours

Staffing:

- Limited staff or trained volunteers to help people use the STEM space.

Contact:

- Patricia Miller, Directortti.miller@wlnonline.org, 724-887-6140

### **Snyder County Libraries, Selinsgrove**

Age Levels:

- Pre-kindergarten
- Elementary school students
- Middle school students

Type of Space:

- Carts that can be moved

Equipment:

- Construction equipment or toys, etc. (e.g. building blocks, Keva planks, Legos, Clics, K'nex, etc.)
- Electronic circuitry equipment or toys, etc. (e.g. Makey Makey, Squishy Circuits, littleBits, Cubelets, Snap Circuits, etc.)
- Tablets loaded with STEM apps

Operating Hours:

- Less than 50% of weekly operating hours

Staffing:

- Limited staff or trained volunteers to help people use the STEM space.

Comments:

- Primarily craft related. We had wanted to leave it out all the time, but couldn't due to the mess.

Contact:

- Pam Ross, Executive Director , sclidir@ptd.net, 5703747163

### **State Library of Pennsylvania, Harrisburg**

Age Levels:

- Pre-kindergarten
- Elementary school students
- Middle school students
- High school students
- 18 to 29 years of age
- 30 to 65 years of age

Type of Space:

- Dedicated space.

Equipment:

- 3D printers
- Astronomy equipment or toys, etc. (e.g. telescopes, etc.)
- Biology equipment or toys, etc. (e.g. microscopes, anatomy, bacteria kits, plant kits, etc.)
- Chemistry equipment or toys, etc.
- Computer programming hardware or software (e.g. Arduino, Raspberry pi, etc.)
- Construction equipment or toys, etc. (e.g. building blocks, Keva planks, Legos, Clics, K'nex, etc.)
- Electronic circuitry equipment or toys, etc. (e.g. Makey Makey, Squishy Circuits, littleBits, Cubelets, Snap Circuits, etc.)
- E-Textile equipment or toys, etc.
- Forensics equipment or toys, etc.
- Laser cutter and etcher/engraver
- Physics equipment or toys, etc. (catapults, wrecking balls, etc.)
- Robotics equipment or toys, etc.
- Tablets loaded with STEM apps

Operating Hours:

- All or nearly all weekly operating hours

Staffing:

- Staff or trained volunteers whose primary duty is to help people when they use the STEM space.

Comments:

- By appointment or via class, either initiated by the school or planned by the library.

Contact:

- William T. Fee, Library Development Advisor for IT, wfee@pa.gov, 717-783-7014

## **Summerville Public Library, Summerville**

Age Levels:

- Pre-kindergarten
- Elementary school students
- Middle school students
- High school students
- 30 to 65 years of age
- 66 years of age or older

Type of Space:

- Flex-space that is used as needed for STEM activities (such as a multi-purpose meeting room)

Equipment:

- Astronomy equipment or toys, etc. (e.g. telescopes, etc.)
- Chemistry equipment or toys, etc.
- Computer programming hardware or software (e.g. Arduino, Raspberry pi, etc.)
- Construction equipment or toys, etc. (e.g. building blocks, Keva planks, Legos, Clics, K'nex, etc.)
- Electronic circuitry equipment or toys, etc. (e.g. Makey Makey, Squishy Circuits, littleBits, Cubelets, Snap Circuits, etc.)
- Tablets loaded with STEM apps

Operating Hours:

- Less than 50% of weekly operating hours

Staffing:

- Limited staff or trained volunteers to help people use the STEM space.

Contact:

- Jennifer Coleman, Director, [sumlibrary@gmail.com](mailto:sumlibrary@gmail.com), 8148563169

## **Tyrone-Snyder Public Library, Tyrone**

Age Levels:

- Pre-kindergarten
- Elementary school students
- Middle school students
- High school students
- 18 to 29 years of age
- 30 to 65 years of age

Type of Space:

- Dedicated space.

Equipment:

- Astronomy equipment or toys, etc. (e.g. telescopes, etc.)
- Computer programming hardware or software (e.g. Arduino, Raspberry pi, etc.)
- Construction equipment or toys, etc. (e.g. building blocks, Keva planks, Legos, Clics, K'nex, etc.)
- Electronic circuitry equipment or toys, etc. (e.g. Makey Makey, Squishy Circuits, littleBits, Cubelets, Snap Circuits, etc.)
- Robotics equipment or toys, etc.

Operating Hours:

- All or nearly all weekly operating hours

Staffing:

- Limited staff or trained volunteers to help people use the STEM space.

Comments:

- We have a makerspace called the Creation Station that is for all ages, but is mainly used by children ages 3-10. The makerspace is mainly stocked with crafting materials.

Contact:

- Lana Conrad, Assistant Director, [info@tyronelibrary.org](mailto:info@tyronelibrary.org), 814-682-1017

## **Upper Dublin Public Library, Fort Washington**

Age Levels:

- Pre-kindergarten
- Elementary school students
- Middle school students
- High school students
- 18 to 29 years of age
- 30 to 65 years of age
- 66 years of age or older

Type of Space:

- Dedicated space.

Equipment:

- 3D printers

- Biology equipment or toys, etc. (e.g. microscopes, anatomy, bacteria kits, plant kits, etc.)
- Chemistry equipment or toys, etc.
- Computer programming hardware or software (e.g. Arduino, Raspberry pi, etc.)
- Construction equipment or toys, etc. (e.g. building blocks, Keva planks, Legos, Clics, K'nex, etc.)
- Digital production equipment (such as videos, sound recording, etc.)
- Electronic circuitry equipment or toys, etc. (e.g. Makey Makey, Squishy Circuits, littleBits, Cubelets, Snap Circuits, etc.)
- E-Textile equipment or toys, etc.
- Physics equipment or toys, etc. (catapults, wrecking balls, etc.)
- Robotics equipment or toys, etc.
- Sewing machines
- Tablets loaded with STEM apps

Operating Hours:

- All or nearly all weekly operating hours

Staffing:

- Staff or trained volunteers whose primary duty is to help people when they use the STEM space.

Contact:

- Molly Kane, Head of Teen Services & Emerging Technologies, mkane@mclinc.org, 215-628-8744 x3153

## **Upper St. Clair Library, Upper St. Clair**

Age Levels:

- Pre-kindergarten
- Elementary school students
- Middle school students

Type of Space:

- Dedicated space.
- Flex-space that is used as needed for STEM activities (such as a multi-purpose meeting room)

Equipment:

- 3D printers
- Astronomy equipment or toys, etc. (e.g. telescopes, etc.)
- Biology equipment or toys, etc. (e.g. microscopes, anatomy, bacteria kits, plant kits, etc.)
- Construction equipment or toys, etc. (e.g. building blocks, Keva planks, Legos, Clics, K'nex, etc.)
- Electronic circuitry equipment or toys, etc. (e.g. Makey Makey, Squishy Circuits, littleBits, Cubelets, Snap Circuits, etc.)
- Physics equipment or toys, etc. (catapults, wrecking balls, etc.)
- Robotics equipment or toys, etc.
- Tablets loaded with STEM apps

Operating Hours:

- All or nearly all weekly operating hours

Staffing:

- Limited staff or trained volunteers to help people use the STEM space.

Contact:

- Helen Palascak, directorlascakh@einetwork.net, 412-835-5540

**Wernersville Public Library, Wernersville**

Age Levels:

- Pre-kindergarten
- Elementary school students
- Middle school students
- High school students
- 18 to 29 years of age
- 30 to 65 years of age
- 66 years of age or older

Type of Space:

- Dedicated space.

Equipment:

- 3D printers
- Computer programming hardware or software (e.g. Arduino, Raspberry pi, etc.)
- Construction equipment or toys, etc. (e.g. building blocks, Keva planks, Legos, Clics, K'nex, etc.)
- Electronic circuitry equipment or toys, etc. (e.g. Makey Makey, Squishy Circuits, littleBits, Cubelets, Snap Circuits, etc.)
- Tablets loaded with STEM apps

Operating Hours:

- All or nearly all weekly operating hours

Staffing:

- Staff or trained volunteers whose primary duty is to help people when they use the STEM space.

Comments:

- The materials are used during programs and are available with 24 hour notices for training and/or use of the 3D printer technology.

Contact:

- Christine Santoro, Library Director, wernersvillepl@berks.lib.pa.us, 610-678-8771