

Year-round STEAM

All participating libraries incorporate some STEAM activities into their regular, ongoing programs. Participating libraries may also schedule special STEAM events throughout the year. Watch individual library websites and Facebook pages for details.

As funding becomes available, the SCFLS STEAM Initiative also takes activities on the road to schools and other community locations.

These STEAM activities occur year-round at Somerset County Library:



STEAM Club
Mondays
6 pm - 7 pm

Children (and their parents or caregivers) are invited to attend these free events to explore a variety of Science, Technology, Engineering, Arts and Mathematics toys, activities, and topics. Format & featured items and topics will vary from week to week. Topics are generally geared to ages 8 and up; however, all ages are welcome. Children under the age of 8 should have an adult with them to help with the projects. Registration is not required to attend STEAM Club.



littleBits
Inventor's Club

Monthly on 1st Saturdays 1 pm - 2 pm

STEM fun for everyone! No registration necessary, just come and join the fun. Participants will learn critical thinking, problem solving, teamwork, creative design and computer basics. Club activities meet Next Generation Science Standards, Common Core Standards, and Design Thinking Process designed by Stanford University.



Educational Improvement Program

Somerset County
Federated Library System, Inc.
(814) 445-2556, option 4
6022 Glades Pike, Ste. 120
Somerset, PA 15501
scfls.org

Participating Libraries

Meyersdale Public Library
(814) 634-0512
210 Center St
PO Box 98
Meyersdale, PA 15552
meyersdalelibrary.org
@meyersdalelibrary

Somerset County Library
(814) 445-5907
6022 Glades Pike, Ste. 120
Somerset, PA 15501
somersetcolibrary.org
@SomersetCL

Conemaugh Township Library branch
(814) 479-0766
Hollisopple Community Bldg
PO Box 507
959 South Main Street
Hollisopple, PA 15935

Windber Public Library
(814) 467-4950
1909 Graham Avenue
Windber, PA 15963
windberlibrary.org
@windlib



Corporate Sponsorship Opportunity!

Somerset County Federated Library System, Inc. (SCFLS) is an approved Educational Improvement Organization. Supporting the SCFLS STEAM Initiative could earn tax credits for your business while helping area youth develop workforce-ready STEM skills.

The STEAM Initiative extends students' opportunities to develop skills in science, technology, engineering, arts, and mathematics by providing learning experiences with a different focus and delivery format than is typically available in the school setting. Additionally, the STEAM initiative provides these learning opportunities beyond normal school operating hours and during the summertime. Your business can help area students develop valuable 21st century skills while taking advantage of great tax benefits.

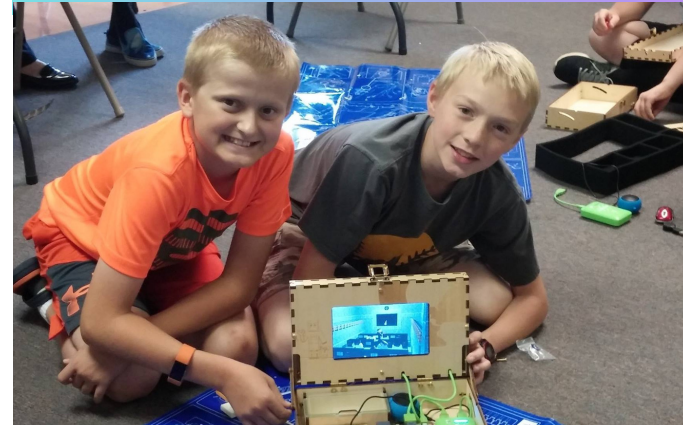
Pennsylvania's Education Improvement Tax Credit program (EITC) provides valuable tax credits to eligible businesses who contribute to approved educational improvement programs like the SCFLS STEAM Initiative. Businesses can receive EITC credits of up to 90% of their contribution amount towards their Pennsylvania business taxes.

To determine your business's eligibility, visit <https://dced.pa.gov/programs/educational-improvement-tax-credit-program-eitc/>.

For more information, please contact Cheryl Morgan, SCFLS Administrator at (814) 445-2556, option 4 or by email at cmorgan@scfls.org.



Our Future Starts Here



Helping youth develop workforce-ready skills.



2019 STEAM Initiative Activities



Camps for Kids & Teens at Somerset County Library



Somerset County Library
6022 Glades Pike, Ste. 120
Somerset, PA 15501
(814) 445-5907

Free registration required. Ages 8 and up. Space limited to 18 attendees.
Includes SummerFOOD & FUN! nutritious lunches daily.

Basic Electronics & Robotics Camp

Tuesday-Thursday, June 11 - 13 1 pm - 3 pm
Monday-Wednesday, June 17 - 19 1 pm - 3 pm



Windber Public Library
1909 Graham Avenue
Windber, PA 15963
(814) 467-4950



Meyersdale Public Library
210 Center Street
Meyersdale, PA 15552
(814) 634-0512

FREE through the SCFLS STEAM Initiative! Electronics & Robotics campers ages 8 and up will apply skills in science, technology, engineering, arts, and math through hands-on exploration, tinkering and inventing using electronic gadgets, gizmos, computer circuit boards, household items, and tiny smart robots that you program using color codes that you draw on paper or send through a computer as flashes of light.

Learn basic robotic, electrical, and programming concepts. Make motors whir, lights blink, and buzzers ring. Invent new gadgets and gizmos by connecting electrical components and household items. Draw a maze and program a robot to spin and turn its way through it. Create electronic miniature golf obstacles and play in a tournament!

Registration recommended. Space limited to 18 attendees.



littleBits Coders

Monday-Friday, June 24-28 10:30 am - 1 pm

A week-long introduction to coding using the power of littleBits. Kids will learn the basics of programming, how computers think and creative design. The week is spent with campers using drag and drop based programming to code hardware. The campers will make games and inventions to test and play with other campers. This camp is a great way to introduce your child to coding, thinking logically and developing problem-solving skills.

Mission to Planet Inventus

Tuesday-Thursday, July 16-18 10:30 am - 1 pm

Kids will work in teams to build, modify, and remotely control planetary rovers. This camp concludes with all the teams working together to carry out challenges on a Mission to Planet Inventus.



Teen STEAM at Somerset County Library

Free registration required. Ages 12 and up. Space is limited.

Intro to 3D Print Design

Monday-Friday, July 22-26 1:00 pm – 3:30 pm
Space is limited to 10 participants.

Learn the basics of using CAD (Computer-aided design) software. CAD Software is used for creating and modifying digital objects for print. During the week attendees will work on projects in teams and complete a series of challenges. The camp will be taught by a CAD Software Certified Instructor.

Piper 1

Monday-Friday, July 29-August 2 10:30 am – 1 pm

Game play and instruction designed to turn screen time into build time. Teams assemble a Piper computer and advance through a RaspberryPi Edition of Minecraft Story in which players must engineer real-world electronics to use in the game.

Piper 2: Coding with Piper

Monday-Wednesday, August 5-7 10:30 am - 1 pm

(Pre-requisite: Piper 1 experience). Gain experience coding and programming electronics while creating physical electronic games using PiperCode, a visual Blockly programming language that enables kids to modify and change how their electronics work on the RaspberryPi. After learning PiperCode, people can easily transition from Blockly to more advanced Python text-based programming.

Teen AR: Painting in a 4D World

Thursday, August 15th 1:00 pm – 3:00 pm - Limit: 18 attendees.
Augmented Reality (AR) is one of the hottest new tools in the art world.. Attendees will be given a series of challenges to complete around the library as they get hands-on experience using AR apps. Using AR technology, teens will create their own artwork and come up with inventive uses for the technology.