

STEAMWORKS

Science * Technology * Engineering * Arts * Music

STEAMWorks is a makerspace, a creative Do It Yourself place where people can gather to create, invent, and learn. In our makerspace, you will find a 3D printer, laser cutter, computer lab with CAD software and the Adobe Creative Suite, a fully equipped audio studio, electronics, supplies and tools to enable you to become an inventor, hobbyist or even an entrepreneur. STEAMWorks provides the opportunity to learn, grow, and try new things. Welcome to the future. Welcome to STEAMWorks! Please call 856.378.7883 or email steamworks@cccnj.edu today to schedule a free tour & consultation. STEAMWorks is located in downtown Bridgeton at 46 East Commerce Street.

Calling All Teachers, Scout Leaders, 4H Groups and Community Organizations!

Did you know that STEAMWorks is available to host workshops and events for your classes and organizations? We can custom tailor our educational programming to fit the needs of your group. Contact Jen at 856.378.7883 or steamworks@cccnj.edu for more information.

Memberships

Memberships are available to use the STEAMWorks facilities are available so that you can come in and work on your projects and inventions.

STEAMWorks members have access to:

- ❖ Cutting edge digital and traditional tools for wood, metal, plastics, graphics, electronics and more.
- ❖ High-performance workstations with full commercial licenses of industry standard 2D and 3D creative, design, and engineering software
- ❖ Friendly and helpful expert artists, designers and engineers on staff
- ❖ Convenient hours to accommodate your busy lifestyle
- ❖ Introductory, intermediate, and expert instruction on all tools and equipment
- ❖ Free WiFi

Membership Rates:

Memberships are \$49 and \$99 per month. For \$49 per month, you are able to access a wide variety of what STEAMWorks has to offer: 3D Printing, Laser Cutting and Etching, wood-working tools, state of the art computer lab and more. For \$99 per month, you will have full access to our recording studio as well as all of the above equipment. If you require an audio engineer, there is an additional hourly fee of \$25 per hour. Audio engineers must be booked in advance.

STEAMWorks Workshops

We offer a variety of workshops at STEAMWorks that teach you how to use software to operate our state of the art machinery and equipment. Unless otherwise noted, each workshop course is 3 hours in length and is offered once per month on Thursday evening or Saturday morning.

CNC Routing and Carving

Learn how to program a CNC (Computer Numerical Controller) to route and carve wood into personalized signs for your home, office, game room, or business. Many customizable templates are offered to get you started.

Classes held monthly starting January 5
Thr 6:30 – 9:30p
1 session, \$30 + \$10 materials fee
46 East Commerce Street, Bridgeton

Laser Cutting & Etching

Learn how to program a laser cutter to cut, etch and engrave designs in a variety of materials. Project ideas offered include custom wine glasses, acrylic ornaments and signs, wooden box storage, stationery, jewelry, games, and more.

Classes held monthly starting January 12
Thr 6:30 – 9:30p
1 session, \$30 + \$10 materials fee
46 East Commerce Street, Bridgeton

Audio Engineering

You do not have to be a musician to make music with computer based recording software! Learn how to edit, record, and manipulate audio loops. Students will learn audio editing techniques, how to mix, and apply effects to deliver a finished original song in MP3 and CD format with your very own custom composition.

Classes held monthly starting January 19
Thr 6:30 – 9:30p
1 session, \$30
46 East Commerce Street, Bridgeton

Web Design

Do you need a website but have no idea where to start? In this course, you will be guided through the basic steps of creating and publishing a simple, yet attractive web page. You will also be shown how to host your own custom website for everyone to see!

Classes held monthly starting January 26
Thr 6:30 – 9:30p
\$30 + optional domain name and hosting fees
46 East Commerce Street, Bridgeton

3D Printing

Thanks to 3D printing, you can easily create a physical object from a computer model. We offer this workshop to provide you with all the information and knowledge necessary to use this machine for all your computer modeling and 3D printing needs. We also offer 3D printing of ready-made prototypes at competitive rates.

Classes held monthly starting January 7
Sat 9a – 12p
1 session, \$30 + \$10 materials fee
46 East Commerce Street, Bridgeton

Building a Microcontroller

A microcontroller is a small computer that has a single function. Microcontrollers run everyday items like toaster ovens, electronic toys and MP3 players. An microcontroller can be programmed to monitor sensors and watch for inputs like temperature, pressure, light, voltage or a button or switch. It can also be programmed to control switches, relays, motors and other outputs. There are many add on boards, called shields, that add features like WiFi, GPS and card readers. In this class, you will work with a microcontroller and learn how to program it to do basic commands. Information will be provided on how you can purchase an microcontroller kit of your own. This is a 6 hour course.

Classes held monthly starting January 14
Sat 9a – 4p
1 session, \$60 + materials fee
46 East Commerce Street, Bridgeton

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