MAKE IT!
Innovative ThinkTank Workshops
Design, build, and take home your own creations!
2023-2024
Innovative Workshops

Design, build, and take home your own creations in this innovative workshop series for makers **ages 10 to 13**! These workshops give youth makers the opportunity to build new skills and get creative using tools and technology in a project-based and challenging environment!

**Glass Mosaics**  
**October 21, 2023**  
Create a one-of-a-kind work of art as you learn how to safely cut glass to make a mosaic! Arrange them to make a picture, a phrase, or an abstract layout for a work of art that’s as unique as you are!

**Learn to Solder**  
**November 18, 2023**  
Learn how to solder by soldering a small circuit board and making a beetle’s LED eyes light up. For those refreshing their skills, assemble and program an LCD screen using Arduino Unos!

**Woodworking**  
**December 16, 2023**  
Sawing, nailing, drilling are all on the docket in this hands-on woodworking workshop! Use real woodworking tools to measure, cut, and assemble a wooden memory box to take home and store whatever you like!

**Cardboard “Video” Game**  
**January 20, 2024**  
What’s better than playing a game? Making one! Create a side-scrolling, hand-held “video” game using cardboard that actually works! No batteries required!

**Metal Etching & Stamping**  
**February 17, 2024**  
Using the power of salt water and electricity, learn how to safely etch metal with your own designs or phrases. Make a keychain, necklace, or charm bracelet to keep or give to a friend! For additional customization, we’ll also learn how to stamp metal using metal stamps and hammers.

**Screenprinting**  
**March 9, 2024**  
We’ll start by learning the basics of screen printing by practicing with a premade stencil. Then, learn the process of designing and stenciling to print your own image on different fabrics.

**Solar Phone Charger**  
**April 20, 2024**  
In this eco-friendly workshop, we’ll be making a phone charger that uses the power of the sun to charge your device! Learn the basics of building a circuit, then apply what you’ve learned as you assemble components and decorate your charger however you like.

**Pinhole Photography**  
**May 18, 2024**  
Before digital pictures, photographers used light to expose and develop still images. Build your own pinhole camera–that you can take home–and use it to expose an image on direct positive paper. We’ll then develop the image in a dark room using the same chemicals that professional photographers use!

**Location:** Think Tank  
**Time:** 10 a.m. to 12 p.m.  
**Ages:** 10 to 13 years old  
**Cost:** $30/member  
$35/not-yet member  
Free for Youth Action Council

**Registration Details**  
Register online at [impression5.org](http://impression5.org) or by calling (517) 485-8116 ext. 132