



September 2021



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## September 2021 Newsletter

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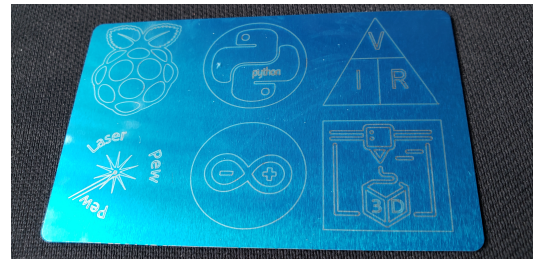
### Robot Design Workshop

We worked through two sessions, five days of fun in the month of August, where young makers took an original prototype and iteratively added features and function. Working from digital design, makers used the laser, 3d printers, some basic electronics, soldering, and microcontrollers to make improvements to their pen bots.

The robotics program is available to share with any group that has the time and interest, but otherwise look for the program event again next summer.



Participants lasered name cards, with skills badges added as earned. To earn a badge, kids present projects that show off their new skill. This is available to kids anytime at CVM, but it is also a great introduction project to the laser for anyone. To get started, e-mail [info@cedarvalleymakers.org](mailto:info@cedarvalleymakers.org).



## Support Nights

### [Check the Events Page](#)

*Come to our recurring series on Tuesdays and Thursdays 7 - 9. Subscription members, and community members are welcome. Please sign-up on the events page so we are able to plan resources for the evening. Community members are limited to level one equipment and process, while subscription members can request support to learn anything in the shop. What do you want to make?*

## Tool of the Month

2 X 72 Beumont KMG  
Knife grinder with new



target table for our knife grinder, and a knife grinding jig.

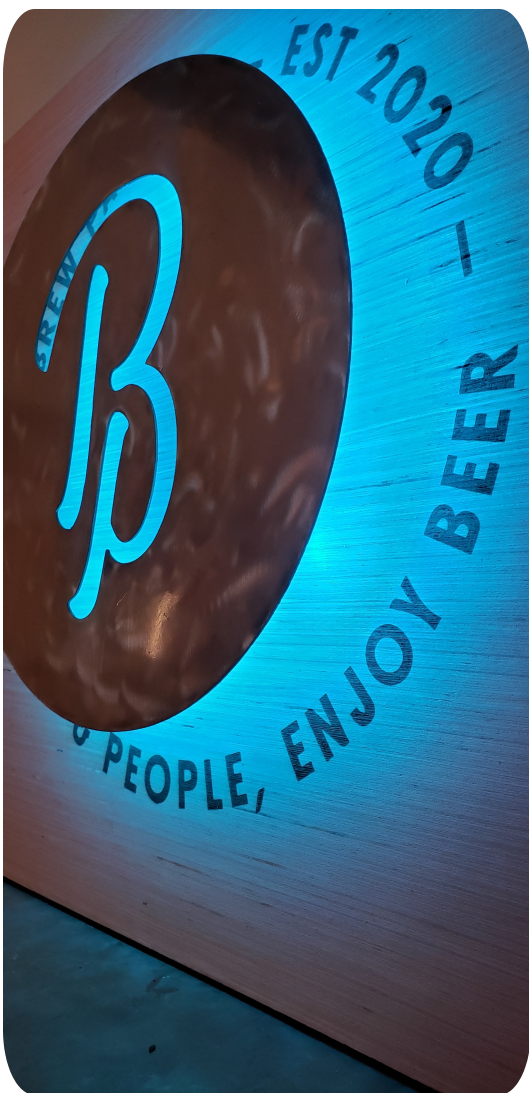
Members and volunteers cut the shape from scrap using the CNC plasma, turned a new tool post out of stainless steel scrap, milled the circular bolt pattern. One of our favorite tools becomes more useful and versatile. Documentation and videos that inspire can be found on our member resources page: <https://www.cedarvalleymakers.org/welding-and-fabrication>





## Project of the Month

Karen Everling used her digital design skills and is exploring new mediums, using the laser to etch wood, and the plasma CNC to cut steel.



Fabulous Lab For Free:



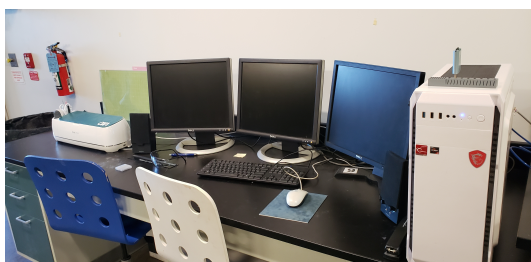
event or meet in our Fab Lab, please inquire at

[info@cedarvalleymakers.org](mailto:info@cedarvalleymakers.org).

Robotics Cubs, Rocket Clubs, Scouts and FFA, are just a few of the groups that have scheduled meetings at CVM.

FLL, FTC, and FRC Practice Space is available for the 2021/22 Seasons

The space has been re-organized with all of the digital software and tools to make your groups next S.T.E.A.M project top notch. Donations and community support make the space available no charge.



instead of increasing basic monthly membership, we are adding value!!! Please read below to learn about the new member benefits that can be added to your monthly membership.

### **FAB Lab:**

The Fab Lab was 100 percent donated by the TechWorks, so subscription Member use was limited. We have now added the space to our lease. We will continue to use the fab lab in support of our mission, but members can use the space for their projects and meetings. Please make sure you schedule the resource using the proximity, check the schedule to avoid conflicts, and leave the space cleaner than you found it.

### **Larger Project Storage:**

Now you can have a space to park supplies, personal tools or large projects for an extended period, without violating the parking policy or feeling like you are in the way. Simply pick your spot based on your need and select the appropriate add on, which will be billed monthly as long as you want it. Pick your spot!!

Email: [mike@cedarvalleymakers.org](mailto:mike@cedarvalleymakers.org) for more information.

### **Lockers:**

We have a limited number of lockers available, and in the coming months they will be 5.00 per month add on. If you have a locker and want to keep it, please e-mail your locker number and select the 5.00 per month add on in proximity

### **Materials:**

We have an assortment of materials at the space for members to use for projects. We have started to place QR codes around as quick links to a donation page.. The QR codes direct you to a page in the proximity system where you can select a donation amount that will be charged to your selected payment method. You must be logged in. If you use materials of value, please make a donation The donation is in exchange for a convenience and or items of value, so there will be no tax receipts provided through this service. Proceeds from donations will be used for materials, tools, equipment, and improvements. If there is a material that you would like to see in stock at the space, let us know by e-mailing [info@cedarvalleymakers.org](mailto:info@cedarvalleymakers.org)

*Pictured Below: Donation options you will see when signed in as a CVM member*

### Select Amount

<input type="checkbox"/> \$1	<input type="checkbox"/> \$5	<input type="checkbox"/> \$10	<input type="checkbox"/> \$15
<input type="checkbox"/> \$20	<input checked="" type="checkbox"/> \$25	<input type="checkbox"/> \$50	<input type="checkbox"/> \$100
<input type="checkbox"/> \$150	<input type="checkbox"/> \$250	<input type="checkbox"/> \$500	<input type="checkbox"/> \$1,000
<input type="checkbox"/> Custom			

**Tax Deductible Donations - Should be made to the [Cedar Valley Makers account](#) managed by the Community Foundation of North East Iowa, or by contacting [info@cedarvalleymakers.org](mailto:info@cedarvalleymakers.org)**

## Volunteer



Something for all talents and interests at CVM:

- Cleaning
- Planning
- Repairing
- Installing
- Organizing
- Teaching
- Mentoring
- Marketing
- Administration

Pictured: Heston helping us out by running the volunteer made battery operated shop vac: "The Zambonie".

## Support Cedar Valley Makers

It is amazing what a bunch of dedicated volunteers can do, but we only scratch the surface of CVM's potential. With your support we can do much more:

- Become a paying maker space member with a recurring monthly membership of \$40.00 and get full access to the shop and tools 24/7.
- Sign up for a community membership and volunteer to mentor, or help with workshops and events.
- If you have less time than money, consider becoming a friend of CVM with a tax deductible donation. Our goal is to have 150 friends willing to give us a small recurring donation. If that is you, support us through the [Community Foundation of North East Iowa...](#)

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### [The Board of Directors](#)

**Our Mission:** To promote collaborative learning, creative design, and manufacturing for people of all ages and skill levels. We provide education by giving access to tools, machines and training inside our makerspace and by promoting and planning educational events that can forward scientific thinking, learning and entrepreneurial spirit for all members of our community.

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