

2019: October Newsletter

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Cedar Valley Makers

October 2019



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New Tools-

Tool Time!!! Thanks for the response to our tool survey. Based on your input, the Board voted to approve tool purchases that will make a great addition to CVM.



First up is a [KMG-TX knife grinder](#) with all of the attachments. Great for taking the burr off of milled parts, general fabrication, and professional sharpening. Should probably mention that is an essential tool for the knife maker. Need a

beginner project? How about making high quality [steak knives out of tableware](#) from the local thrift store. The knife grinder makes this project quick and easy, and it is sure to put a smile on your face. Also, make a custom box for your knives with [makecase](#), and the laser at CVM and the knives will make great gifts.



We also added to our level one digital design tools with a Cricut Maker. We believe this will be a great addition allowing Lego League and other academic teams to design and craft their own team t-shirts, design and cut custom sewing patterns, make your own decals and much more.

Tool of the Month: ConSew Industrial Sewing Machine



The Industrial sewing machine at the space isn't new, but we are excited



that it is working. The machine was first donated in 2017, but it has set idle because of mechanical issues. Thanks to Dick Zimmerman, those issues are now resolved and we now have a picture tutorial to support its use. This machine is capable of sewing materials, your home machine just can't.

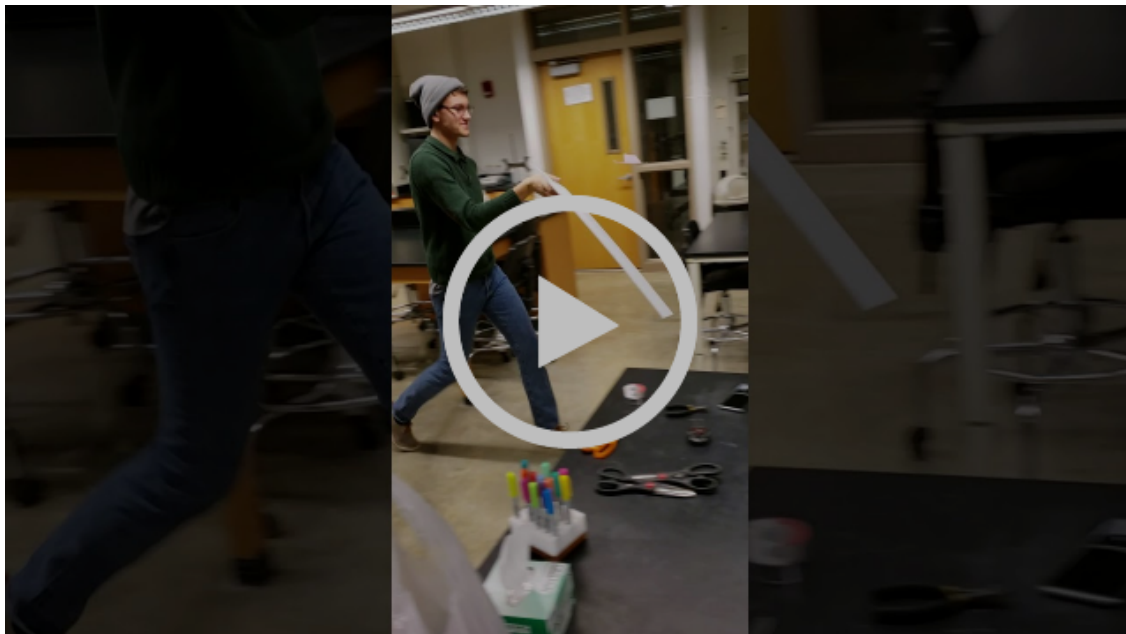
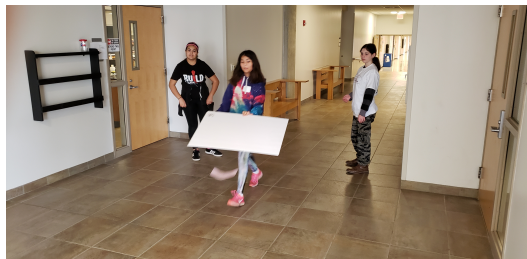
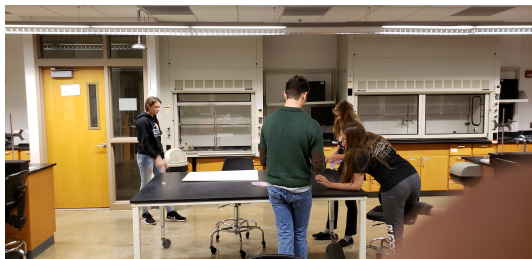
Expand Your Horizons



Image taken for the [Waterloo Courier](#), by Kelly Wenzell Courier Staff Photographer

We are very happy with the workshop we developed for the Expand Your Horizons event, that was held at UNI. Based on the work done by [sciencetoymaker](#), we created our own hot wire foam cutter that can cut thin sheets down to .025, which actually proves too thin. The workshop can facilitate relatively large groups, can be completed in one hour, and teaches some basic flight physics, allowing for experimentation making adjustment

towards making planes fly. Once a good, straight glide is achieved. The next step is providing lift for continuous flight. For more information e-mail info@cedarvalleymakers.org



Walkalong testing prior to the workshop.

Community groups can request free access to the space, tools, and expertise. Send us an e-mail telling us about your group, your project, and what you think you will need(space, tools, expertise) [http://info@cedarvalleymakers.org](mailto:info@cedarvalleymakers.org).

Groups that have used the space include: Big Brothers Big Sisters, BoyScouts, GirlScouts, FFA, 4H, rocket club, robotics clubs(FRC, FTC, FLL).

We look forward to seeing your projects.



[Support our mission by becoming a sustaining member.](#) Your support will provide scholarships for starving students and the underemployed,



and fund project based learning opportunities and creativity in the Cedar Valley. Thank You!!!



Programs and Volunteer Community events:

- FLL, FTC, FRC and educational and community group meetings.
- Laser chuck-able plane build workshops
- Circuit Play Ground Game controller build. Thursdays at 6:00 and Saturdays at 11:00. RSVP for schedule changes by e-mailing info@cedarvalleymakers.org
- Shop automation project using ESP2866 and node red.
- Shop Vac Segway Zambonie
- 3D printer 101 Workshops presented by CVM @ [CE Library](#) Dec 3, @ 6:30
- To find out more about our community projects and volunteer opportunities or to schedule a tour or an orientation, e-mail info@cedarvalleymakers.org

CVM third quarter Board Meeting is schedule for October 3, 6:30 in the MillRace Board room. If you would like to attend the board meeting, please e-mail info@cedarvalleymakers.org to R.S.V.P.

[The Board of Directors](#)

Our Mission: To promote collaborative learning, creative design, and manufacturing for people of all ages and skill levels.

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Cedar Valley Makers
360 West Field, Ave.
Techworks Building One, 3rd Floor
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