

# 2019:August Newsletter

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August 2019



Emma Fisher, 5th Grader shows off her art (above) and the best teacher award her and dad worked to create using digital design software and the laser on acrylic.



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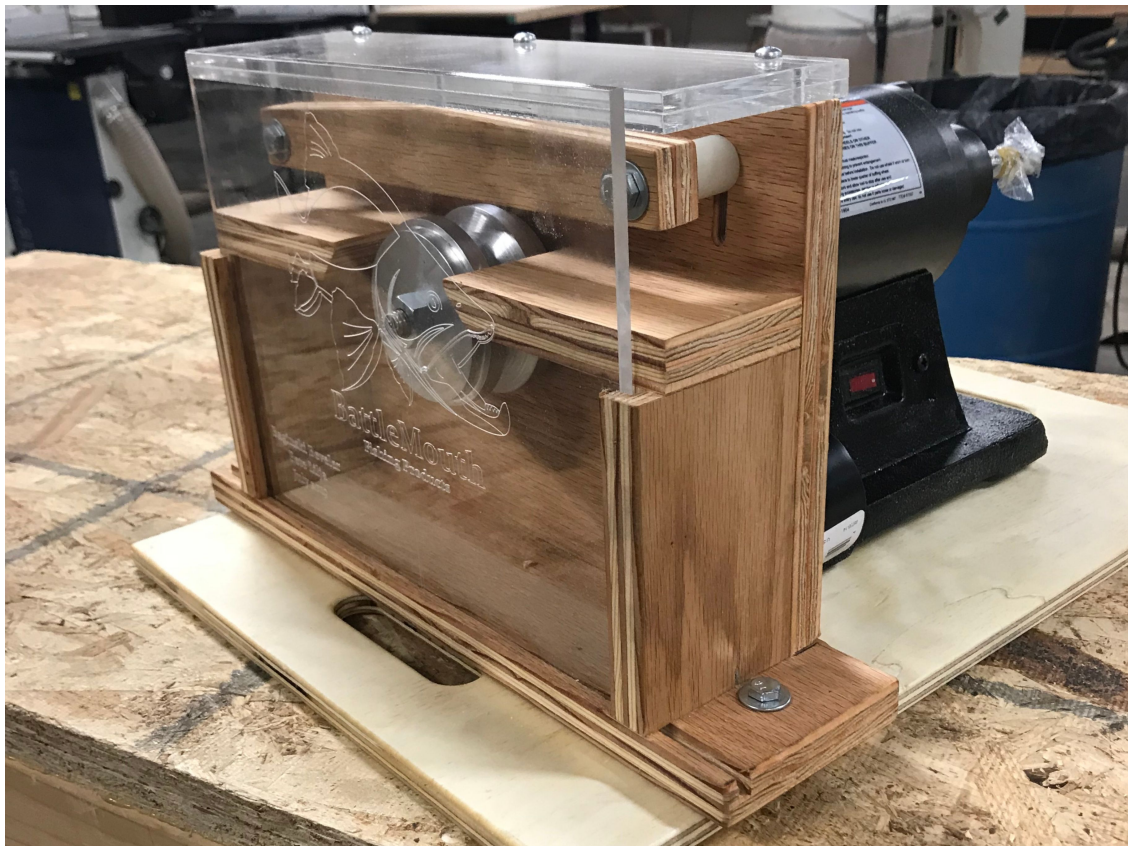


## Back to School

### Back to School Projects and Activities -

Learning never stops at the Cedar Valley Makers. As you head back to school, remember that we have the space, the tools, and the expertise to help make your next project - over the top, Awesome!!!! To request free meeting space and shop access e-mail [info@cedarvalleymakers.org](mailto:info@cedarvalleymakers.org)

### Making specialized tools



### Project of the Month: The Baginski beveler.

There have been lots of great projects, but we think building your own tool deserves the project of the month for August. What does it do? Rough cut bamboo strips are run through this machine, which creates an exact bevel. The strips are then planed



run through this machine, which creates an exact bevel. The strips are then planed, straightened and glued to make fly rod sections.

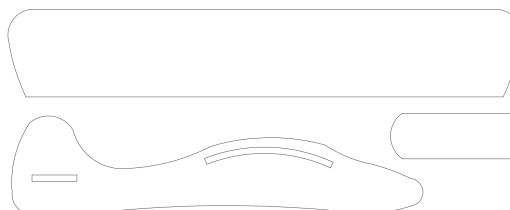
Skills and tools used for the build include: Digital design and layout, the CNC, and laser cutter, metal lathe, and an assortment of woodworking and electronics tools.

If we are lucky, a bamboo fly rod will be the project of the month for September.

If you have interest in learning how to build a bamboo fly rod, e-mail [info@cedarvalleymakers.org](mailto:info@cedarvalleymakers.org)

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Things that Fly - Cedar Valley Makers have long been experimenting with flight, and our friends at [Flight Test](#) have made it easy, by providing free laser-able plans for all of their plane designs. After making a few planes, you will be designing your own. All you need is some foam sheet from the dollar store, and some hot glue and you can get some of the designs in the air within a few hours. Add some RC gear, gps, auto-pilot, telemetry, and FPV and WOW! We have around 10 designs ready to laser cut, but can assist you with any design that flight test has a available for download



The Mini Arrow is just one of the planes we have been making at CVM. They are as fast as they look. I save the

The Mini Arrow is just one of the planes we have been making at CVM. They are as fast as they look. Leave the FPV gear out and they can take a pretty hard crash. Also, they fly similarly to quad copters, so the learning curve can be relatively small. They are fast! Video provided by Flight Test.



Video Provided by Flight Test

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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>.

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

We look forward to seeing your projects.



[Support our mission by becoming a sustaining member.](#)



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
- Shop automation project using ESP2866 and node red.
- Shop Vac Segway Hack
- Walk in Cedar Valley Maker space tours - Saturdays 10:00 - 2:00, or schedule a time for a tour or new member orientations. To find out more about our community projects and volunteer opportunities or to schedule a tour or an orientation, e-mail [info@cedarvalleymakers.org](mailto:info@cedarvalleymakers.org)

### 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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