



# NEWSLETTER

## January 2024

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*"The MakerBarn is a member-driven family-friendly makerspace that exists to provide a place for our members to envision, design, and realize creative projects. We are dedicated to building a creative maker community among our membership and the community at large."*

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## *Happy Maker New Year!*

Here we are in 2024. Happy New Year to you all.

What a year 2023 was at MakerBarn! Let's just try to list all the new equipment we acquired this past year;

- Jewelry Punch machine
- CNC Milling machine
- Green Laser for Rotary Work
- Horizontal Bandsaw
- CNC Plasma Table
- Replaced the wide belt sander with new model
- Bambu Labs PIP printers (4)
- A Kiln, pottery wheels and all things ceramics!

Not only that, but we hosted and participated in several special events;

- Mayor of Conroe visit
- Makerspace Crawl Kickoff at The ION
- Hewlett-Packard days at HP and the Barn
- Held our 7 year anniversary party in June!

And don't forget we added a new 10 seat classroom, we transitioned to a new president, we began a new Laser SIG, started a ceramics program and we installed two air-conditioning 'mini-splits' in the Shop just in time for the hottest summer on record!

We also ended last year with some good classes taught by John Buckley (Fusion 360), Joe Foster (Welding), Lisa Lane (Ceramics), and George Carlson (Happy Little Trees/



electronics). John's got a Fusion 360 class set to start again this month. If you are interested in instructing a class, reach out to me or anyone on the Executive Committee with your details. We would love to offer more classes taught by members for members.

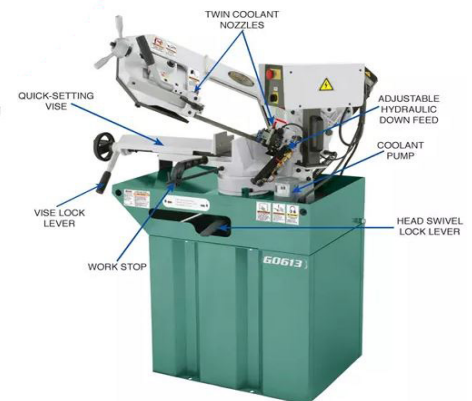
Happy making!

We hope the MakerBarn continues to help you reach your creative goals this year.



**Kathy Barbieri**  
President, MakerBarn

## 2023 New At The Barn!



# Paint, Glaze & Pour! Join MakerBarn Ceramics



Join Lisa in the Ceramics Center most Mondays from approximately 10:00AM-1:00PM. She will be working on personal projects and available to answer questions, help tweak form and do some retraining. The Ceramics Special Interest Group (SIG) will kick off this month! The SIG will meet on various Tuesday evenings throughout the first quarter of the year. See the list of training opportunities and SIG topics below.

If you are interested in the ceramics program at the Maker Barn, please complete this form:  
<https://forms.gle/uwCXZwiWCpKso2tX7>.

To sign up for the orientation on 1/9, see this link:  
<https://www.signupgenius.com/go/20F044AAAAA2AA57-44723382-maker>.  
 All other classes will be posted on the new Maker Barn scheduler.  
 Note that times and dates are subject to change.

Maker Barn Ceramics Program  
 2024-Q1 Class Schedule

Date	Day	Time	Class	Eligibility	Details
1/9/24	Tuesday	7:00PM-9:00PM	General Ceramics Orientation	Adult Maker Barn Members & MB Family Members 16 years old+ with a MB Adult	Prerequisite for Maker Barn Ceramics program and classes. 4/16 seats available
1/19/23	Friday	10:00AM-12:00PM	Wheel Training *	MB Members who have completed the General Ceramics Orientation	Special Supplies Required 2/2 seats available
1/23/24	Tuesday	7:00PM-9:00PM	Wheel Training*	MB Members who have completed the General Ceramics Orientation	Special Supplies Required 0/2 seats available
2/13/24	Tuesday	7:00PM-9:00PM	Ceramics SIG Slab Building	MB Members who have completed the General Ceramics Orientation	Slab Roller demonstration and a Slab Built Project; supplies required. 14/14 seats available
2/27/24	Tuesday	7:00PM-8:30PM	Ceramics SIG Throwing Closed Forms	MB Members who have completed the General Ceramics Orientation	Demonstration of how to throw closed forms, like jewelry dishes, tea pots, bells, and Christmas trees. 12/12 seats available
3/19/24	Tuesday	7:00PM-8:30PM	Ceramics SIG Paint & Glaze Techniques	MB Members who have completed the General Ceramics Orientation	Demonstration of various techniques; Participants encouraged to bring any bisqueware, paints and glazes they are working on. 15/15 seats available

\* Additional Wheel Training dates will be posted through the Maker Barn Scheduling app. This class is intended for those who have not received any wheel training through Maker Barn.



## *Laser SIG*



Our area manager of Laser Printing, Greg Radliff will host a Laser SIG (Special Interest Group) to begin meeting at the Lab **on the 4th Thursday of the month.**

Anyone interested in talking about and sharing tips and tricks on laser cutters is welcome. Bring your projects for show and tell.

The next gathering will be January 25 at 7:00pm until the discussions end.

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## *Are you Manager Material?*

The MakerBarn runs on volunteers. If you have been an active member for two months or more, we would like you to consider becoming a Shop MakerBarn Manager.

MakerBarn Managers work 3-4 hour shifts during which they supervise the general operation of the Shop keeping a close eye on safety and noting any maintenance issues that arise. They also devote a fair amount of time to general cleaning of the shop floor and emptying the dust collection and trash systems. They give prospective members tours and update MACS access cards as needed for members.

Oh, and they enjoy 24/7 access to the Shop!

If the Shop manager role sounds interesting to you, contact Jim Barron via Slack. Thanks!



## *Fusion Class Starts January 22/23 for Ten Weeks*

Quite a few members have expressed interest in learning Fusion 360, a software used to create three dimensional models. The Beginning Fusion class will be offered again this year on Mondays and Tuesdays from 7-9 PM beginning January 22/23. The class will run for ten weeks through March 25/26.

The MakerBarn classroom has space for only ten desktop computers at one time and 23 students are enrolled, so there may be a few laptop participants at first but in true maker space tradition, we'll make it work!



A few reminders about this class:

- This is a beginner class, no prior experience with Fusion 360 is assumed
- Please commit to attend at least 8 or more of the 10 classes. You may be able to attend the other Monday/Tuesday class some weeks and there is a companion YouTube video for each class, **but it is best to attend every week**
- You will need to create an account with Autodesk and download/install the free version of Fusion 360 from Autodesk. Begin this process at:  
<https://www.autodesk.com/products/fusion-360/personal>
- There is no “maker space version” of Fusion 360
- Class cost is \$20 for a binder with lesson outlines corresponding to ten models to be built in Fusion using 19 features of the software
- The class will enable you to create simple .stl files that can be 3D printed at MakerBarn
- Fusion 360 is best used with a standard mouse device, **a laptop trackpad is usually insufficient**
- You will not need to bring a notebook computer to class, just sign on to the classroom computer with you personal cloud Fusion account

See you in class!



## MADE AT MAKERBARN!

**Angie French** made these notebooks for a Christmas exchange with Dave's D & D group and the wine boxes were for Christmas gifts. He used the CNC router, the laser thing and various other tools in the shop.





## MADE AT MAKERBARN!

**Cynthia Grimmer** made family Christmas T-shirts using Dye-Sublimation



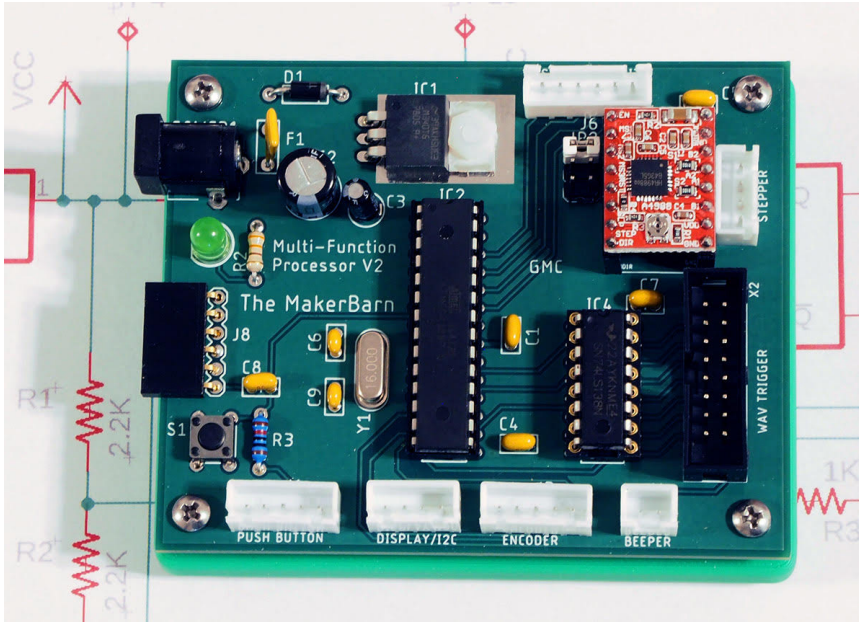
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**Colleen Helz** made Celtic knot French rolling pin.  
Walnut with maple inlay.  
Used table saw and the wood lathe.



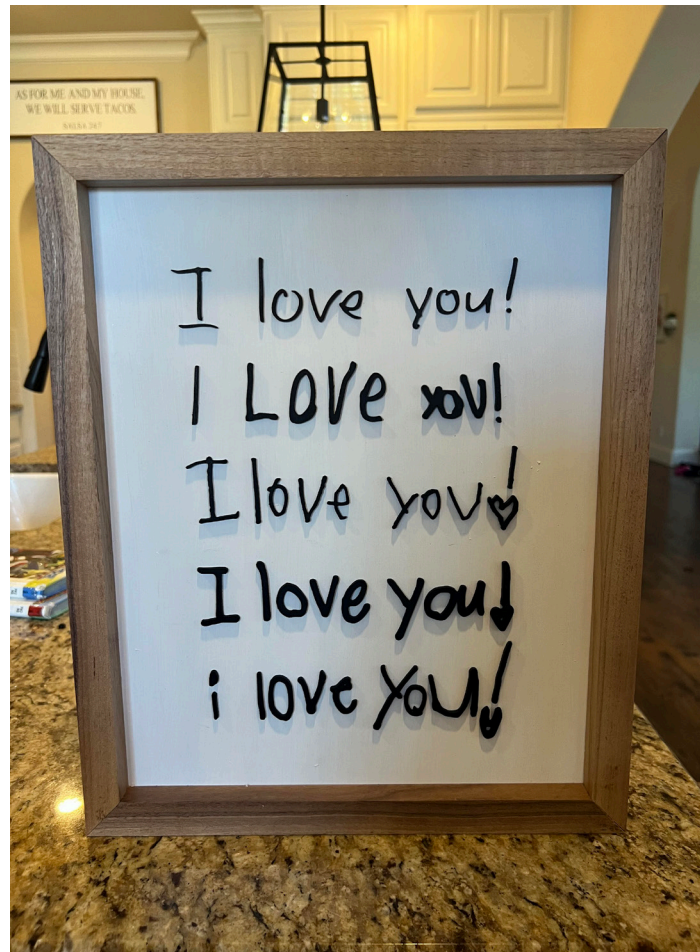


## MADE AT MAKERBARN!



**George M Carlson** made this specially designed Arduino board. This Arduino compatible circuit board was designed to directly attach to many of the I/O devices used by maker. It will drive a Stepper Motor, an LCD display, MP3 Player, Rotary Encoders, various sensors as well as control switches and limit switches.

**Rachel Scott and Dave Grimmer** made a walnut frame around birch plywood. Flattened on the jointer and planed at Maker Barn. The "I Love Yous" are in the grandkids own handwriting and were cut out of painted Baltic birch.

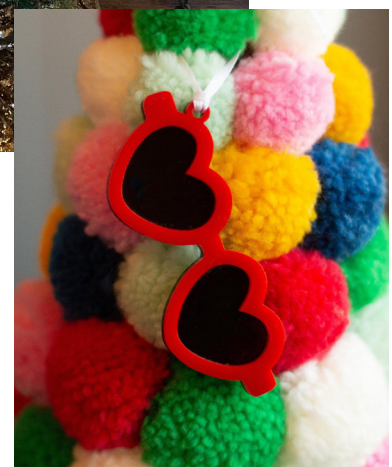




# MADE AT MAKERBARN!



**Rachel Scott** is all things Taylor Swift. She made ornaments of all the Taylor Swift Eras for her Merry Swiftness tree. And she made a rainbow colored nutcracker garland and a Ted Lasso Believe ornament





# MADE AT MAKERBARN!

**Trevor Whalen** made two 4ft x 2ft wine racks using Olivewood and Epoxy. CNC was used for milling and drilling wine peg holes.





# MADE AT MAKERBARN!

**Trevor Whalen** made a Round Ash table. Built using jointer, planer and CNC machine. Finished with Rubio Monocoat.





## ***MADE AT MAKERBARN!***

**Trevor Whalen** made a maple & epoxy chess table with cedar trim. Made with jointer, table saw, planer & CNC. Finished with Rubio Monocoat.





## MADE AT MAKERBARN!



**David Long** made a plate and knob that he designed using skills learned in the Fusion 360 class. This goes in a Ford F250 Truck. It is a rotational selection switch that David didn't want to look like an appendage, so he designed and printed a plate to go where a pocket was, then he designed a knob like the factory knobs in the truck to press on the new metal knob with heat. Now it looks like it could have been there from the factory. David says he couldn't have done it without the great fellowship of The MakerBarn members.





# MADE AT MAKERBARN!

**Lisa Lane** made Advent Ornaments. They have different names for God on the front and the corresponding Bible verse in the back.

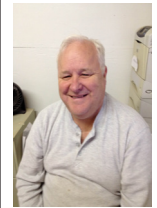


## Meet the Area Managers



### WOODWORKING

Mark Bush is area manager of woodworking. Contact him via SLACK.



### LASER PRINTING

Greg Radliff is an artist and expert at using Laser Cutter and Engravers. Greg can show you the LightBurn software we use and can check you out for use of the Laser printers in the Lab. Contact him via SLACK



### METALWORKING

Bryan Manka is area manager for metalworking which includes the metal mill and the metal lathe at the Barn. He can check you out for use of either of these machines. Contact him via SLACK.



### 3D PRINTING

Jody Cochran is a graphic artist with deep experience in 3D printing and other graphics tools. Jody can show you slicer and other software used with the 3D printers. Contact him via SLACK.



### ELECTRONICS

Raul Garcia is area manager for electronics. More of a fixer than designer, but willing to help and learn together. See Raul for anything related to microcontrollers, electronic devices or other electronics related projects. Contact him via SLACK.



### CERAMICS

Lisa Lane is area manager for ceramics. Contact her via SLACK.



### WELDING

Joe Foster is area manager for welding. Contact him via SLACK.

## For New Members

WELCOME to the wonderful world of making!! We know you will come to love this place as much as we do.

First and foremost, this place is about the people. We would like to encourage you to see yourself as more than just a member. We are a community. Because we don't have any employees, we rely heavily on our community to keep things running. So please join in, pitch in, and get involved. Ask lots of questions. We are a really friendly group and love to help one another. The MakerBarn is a fantastic community of makers and we are glad you are here!



Maker Barn: The Shop & The Lab  
28030 FM 2978, Suites 201, 202, 203 & 204, Magnolia 77354  
Phone: 832-663-6390

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### **MakerBarn Directors:**

George Carlson, Director  
Jeanie James, Director  
Greg Radliff, Director

### **Executive Committee:**

Kathy Barbieri - President  
Jody Cochran - Secretary  
Raul Garcia - Treasurer  
Jim Barron - Membership  
Matt Folsom - IT  
Ashley Dickson - Member at Large  
John Buckley - Newsletter Editor

### **Area Managers: (Guru or Custodian):**

Woodworking - Mark Bush  
Lasers - Greg Radliff  
3D Printing - Jody Cochran  
Metalworking - Bryan Manka  
Electronics - Raul Garcia  
Welding - Joe Foster  
Ceramics - Lisa Lane

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