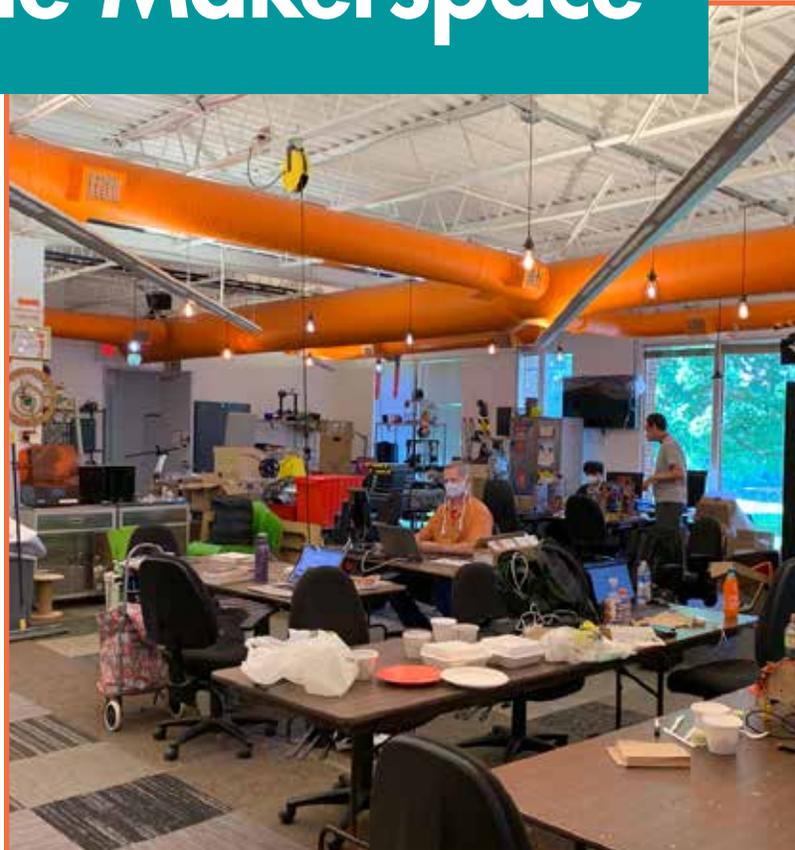
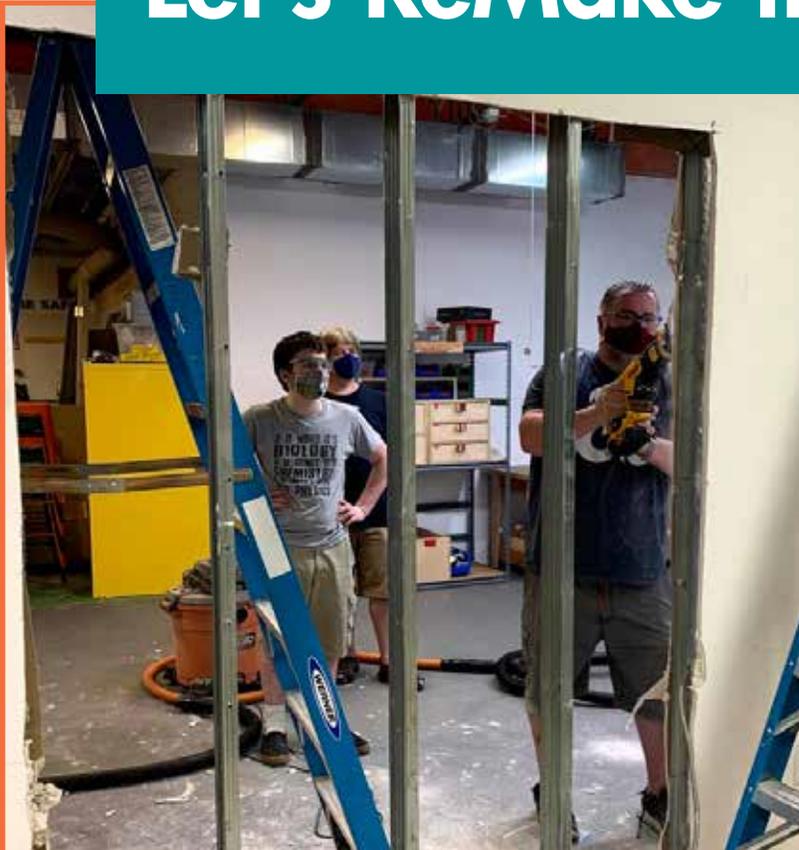


## Let's ReMake the Makerspace



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**VACANT**  
Membership Experience Coordinator

**VACANT**  
Event Services Coordinator

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By late April, when all of Virginia was shut down, it seemed like we'd never see the doors to Nova Labs open again. But as Phase II began, the leadership team finalized the floor plans for the 1916 renovation, approved a budget, and got to work. In a few short weeks, there have already been amazing changes in order to have a limited re-opening of the makerspace on July 1st... A brand-new booking software system, Zoho, is being run through its paces by the events team, as all on-site making will require advance reservation. If you need some socially-distanced fun out of the house, we can always use more volunteers, no experience necessary!

In addition to putting out a Black Lives Matter statement for Blackout Tuesday on Facebook, the blog, and a statement in the June newsletter, the Nova Labs board feels strongly we need to start addressing diversity, equity, and inclusion within the maker community. Due to the COVID-19 pandemic, we obviously cannot host indoor or large events. Kevin Randall therefore offered to help Shane Smith and Mona Shaw plan an outdoor, impromptu barbecue for the purpose of starting a community conversation. In addition to good food and a great playlist full of traditional Juneteenth songs, Kevin gave us the history of Juneteenth. This spawned a nice discussion amongst the small group of mask-wearing, socially-distanced members and volunteers about our knowledge of the Black experience in America. Then Kevin hosted a Juneteenth trivia game, replete with prizes, and we all ate ice cream. Next year, hopefully there will be a vaccine and herd immunity so that we can have a much larger celebration, and a more diverse community of makers calling Nova Labs home.

The board fully recognizes how hard this time has been on so many fronts — social, health, and financial. Some members have

had to pause their memberships. We have a direct donation PayPal button, Adopt-A-Member, that allows anyone to donate funds to help members continue their journey with Nova Labs. Our revenue has taken a significant downturn during this crisis, and we unfortunately are reaching the limits of the costs we can absorb and still be able to afford to move to a new site when our residency at Isaac Newton Square expires. The silver lining is that the economic recession may bring properties on the market sooner, and at a lower price point, than we anticipated for Nova Labs 3.0 even six months ago. Our realtor has been in touch and we are keeping options open for exciting possibilities.

Regretfully, Daryl Peace resigned this month as Vice President of Outreach. We will miss the experience, talent, and charisma he brought to our organization and his connections with other institutions. Daryl was always ready to show up and represent the Nova Labs makers, from the cardboard boat regatta to cybersecurity opportunities to PPE coordination with the DC Fire Department and Emergency Medical Services. In addition to Daryl's recent departure, we have several board members whose terms expire in November. The board will therefore start an active recruitment process this summer that is committed to increasing our bench of talents, diversity, and inclusion. If you have a heart for leadership, or know an excellent candidate, please be sure to fill out an application for the board when it becomes available.

Yours in Making,

**Karen Shumway**  
**Vice President, Nova Labs**



Find me on Nova Labs Slack: @karen shumway

# Board Diversity Initiative

by Jim Girardi



The maker movement brings people together from all walks of life, skill levels, interests, and more. Nova Labs is blessed to have such a diverse membership in this regard. However, one of the concerns for Nova Labs, as well as the greater maker movement, is ensuring that makerspaces are also inclusive of people of color—especially given the fact that **STEM** opportunities are not equal across socioeconomic, gender, and minority groups.

As a makerspace, we have a responsibility to be a place of education, knowledge, and sharing. We also have a responsibility to ensure that we are providing those opportunities to everyone in our community. It is clear to the board that we have not successfully done this.

Therefore, during a special board meeting on June 14th, the board voted on several diversity-related initiatives. Two of the major ones are as follows:

## **Vice President (VP) of Diversity, Equity, and Inclusion (DEI):**

This new VP will have the directive to oversee all of Nova Labs' DEI initiatives and work directly with the greater community to improve diversity at our space.

## **The board chartered the DEI Executive Committee:**

This committee, eventually chaired by the VP of DEI, was commissioned to gather data on DEI within and outside of Nova Labs, formulate and discuss initiatives to increase DEI, and make recommendations to the board on a regular basis. The DEI Committee is currently chaired by the VP of Operations until the board appoints a VP of DEI.

The board takes these initiatives seriously and we are excited to explore and implement new opportunities to make our maker space diverse and representative of our community.

If you have any suggestions or thoughts on this initiative, please message **Jim Girardi (@jim)** on Slack.



# Welding Goes High-Class by Adding a Vocational Technology Classroom

by Frank Hum

As part of the renovations to the metalshop, the new welding area will add vocational technology (VoTech) functionality, with the goal of teaching classes toward getting a job in the welding industry, and how to pass various **AWS** (American Welding Society) welding certifications.

The certifications are used as a gateway for entry-level jobs, or moving up in the welding industry. In addition to certifications, most welding jobs have a hands on/proof that you can weld and understand the theory of welding.

The initial setup will include:

**SMAW** (Shielded Metal Arc Welding)  
**GMAW** (Gas Metal Arc Welding)  
**FCAW** (Flux Cored Arc Welding)  
**GTAW** (Gas Tungsten Arc Welding)

In addition to VoTech classes, the plans are to offer "experience" classes similar to a "Groupon" type class, for those that aren't interested in a career but want to experience welding in a two-hour class.

There will be a separate area for the abrasive media blast cabinets and the various grinders so that dust and grit will be contained. This area will allow easier access since the blast cabinet will no longer be hidden in the corner. The grinders will have dedicated bench space and easier access for quick projects.

Metalshop will add a plasma **CNC** (Computer Numerical Control) machine using LinuxCNC software to cut metal up to 1/4" thick using software similar to that used on the ShopSabre CNC router or the laser cutters.

With the addition of more workspace and benches in the old laser area, metalshop will start a metal sculpture area and start to teach project classes in this new space.

The traditional metalshop will not go away; we still have a lathe, endmill, and the various

saws available, with a more spread-out area that includes additional workbenches.

The metal bending and shaping area will have 4' x 8' tables and other benches to layout and assemble projects.

The metalshop tools that were previously hidden on shelves will go under benches so that they are accessible and have designated places to put them away. The target is mid-August to reopen the full metalshop, and the metalshop stewards encourage everyone to come check out the new space. We are open to new project ideas and always looking for instructors and stewards to assist in the development and upkeep of the metalshop.



Find me on Nova Labs Slack: @Frank



**Metal Shop conversion of old Laser Cutter room.  
Notice the brand new plasma cutter, the smaller  
of two we now have!**

# Blacksmithing

by Patrick Marstall

While practically all of the individual shops are gaining some new floor space in the 1916 renovation, the blacksmithing shop's gains are an obvious outlier, having gained a whopping 450% more space than they had before! While cynical people who can do basic math might rightly point out that 450% more of practically nothing is still not a huge space, the fact remains that the blacksmithing shop will now have a not-insignificant amount of indoor space to work with, something that did not exist before the renovation began.

A little background: Due to safety concerns and rules in our lease, we cannot operate the forges inside the building; much of the equipment must be moved outside into the back alley first. Moreover, due to limited floor-space, all the supporting equipment for blacksmithing and knife-making, such as the hydraulic press and the 2x72" belt grinder, was largely inaccessible until the heavy anvils and forges were moved.

This meant that accessing any of the blacksmithing gear was a fairly labor-intensive process, involving moving very heavy items and necessitating a 20 to 30 minute set-up phase before any making could actually begin, and then another equally long clean-up phase at the end. This barrier to entry meant that much of the equipment – even the items that could be used indoors – was not being utilized outside of scheduled events.

The new space for the blacksmithing shop will change the experience significantly. The forges and anvils will still need to be moved outside before they can be used, but the new space will allow the addition of some new tools and the permanent placement of others:

## **Permanent placement of the hydraulic press.**

The 16-ton hydraulic press is often used in support of blacksmithing projects, but it was previously hidden behind a wall of anvils and forges. The renovation will allow the press to be placed in a permanent position and open up its use to other shops and projects.

## **Permanent placement of the 2x72" belt grinder.**

A vital tool for knife-making but also a very useful device for fabricating metal parts, this tool too was largely inaccessible except during blacksmithing events and had to be wheeled out on a top-heavy cart to be used. After the renovation, this tool will be permanently placed to a sturdy workbench with a dedicated dust-collection system and coolant container. Knife-makers, machinists, and anyone needing to grind and polish metal will find that easy access to this tool at any time will improve their projects.

## **Easier access to blacksmithing and metalworking tools.**

There were a wealth of tools hidden in the jumbled mess of the blacksmithing shop – pipe wrenches, pry-bars, swedges, hammers, pipe-benders, bolt cutters, and more. But you wouldn't know it... and even if you did, you couldn't get to them! With the renovation, most of these tools will be more readily-accessible to members who need them, and placed on nicer racks to boot!

## **Power Hammer! The Holy Grail of blacksmithing tools...**

the renovation will open up some room for a small power hammer. This tool will allow the blacksmithing community to more easily draw out metal and decrease the time and physical strain necessary to create their steel-based builds. Impact studies and pricing for a suitable tool is currently underway.

**Surface Grinder!** The renovation opens up some floor space for a permanently-mounted surface grinder device. For those who are unfamiliar with the concept, a surface grinder is a tool that allows a machinist to create a flat, even surface on a metal part. They are also sought after tools for knife-makers since they allow for a rough-forged shape to be turned into a precision-ground piece with parallel sides; a vital starting-point for grinding a blade to its final shape. Pricing for this tool is currently underway.



Find me on Nova Labs Slack: @Pat Marstall

# Metalshop/CNC

by Daniel Schneider



As was foretold, CNC machining has officially taken over the entire metalshop. Forever more, sheet metal and manual machining shall be banished from this land.

Seriously though, we moved the entire metalshop (less the Matsuura) out of the way to prepare for pouring a new epoxy floor. When we reopen, the metalshop will have approximately doubled in size (taking over the old Greenway and laser lab areas). A lot of the new space will be used to add tables and workspaces to make the shop more usable, but it will also leave us room to acquire more tools and expand our capabilities over time. See the description description on pages 6 and 7 for] for the expansion plans for welding, CNC

plasma cutting, etc., in the new high vent shop. The CNC program will not be changing as much as many of the other shops when we open back up, but we have a few interesting irons in the fire that we can't announce yet. So please watch this space for an announcement (hopefully) in the near future.

Many thanks to Sean Crane, Patrick Marstall, Daniel Vrolijk, Shane Smith, and many others for all their hard work moving machinery, sorting metal, and grinding the floors. Nothing gets done at Nova Labs without our volunteers.



Find me on Nova Labs Slack: @Daniel

# Greenway

by Steve Fritzing

The Greenway gets a new lease on life in the renovation of 1916 and a more focused mission.

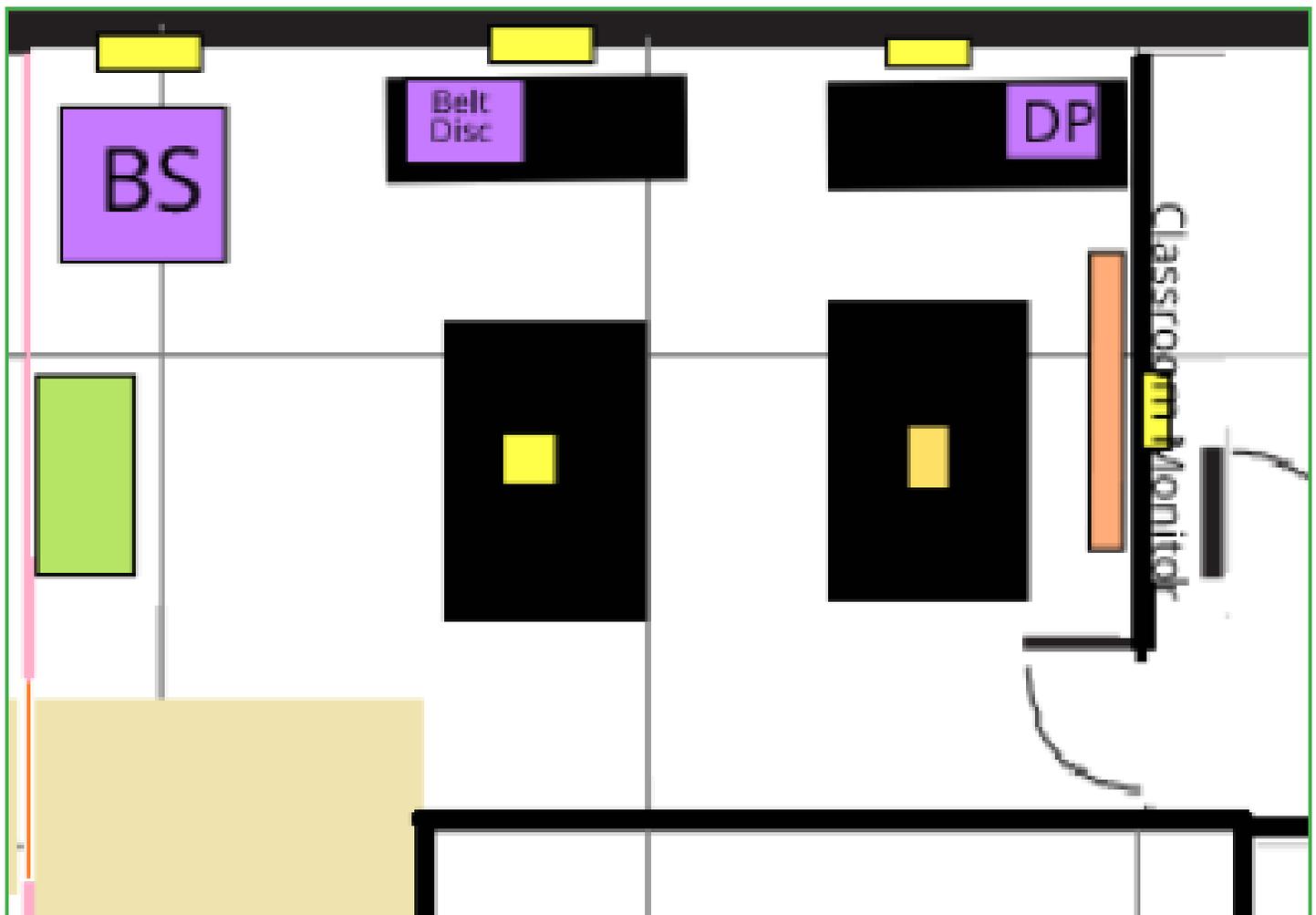
The Greenway V.3 will be the place for dirty, dusty, and static-clingy mixed media projects and materials, with dedicated, useful, and maintained tools for specifically those tasks. It will remain a place of experimentation and exploration, so bring your curiosity and sense of adventure.

You can take a quick peek at the new floorplan. Notice the Green Monster stays, the large assembly areas for big projects like slab flattening and product layouts, along with bandsaw, drill press, and belt sanders. Even a classroom monitor — wonder what that could be used for...

If you are interested in helping renovate, maintain, and evangelize the Greenway, please contact Nick Lattanze or Shane Smith — we have tasks for all levels of makers and every bit helps!



Find me on Nova Labs Slack: @Steve Fritzing



# Woodshop Reboot

by Doug Calvert



Hello from your favorite bow-tie wearing steward. I hope you've all stayed safe and healthy these last few months. I don't know about you, but I've passed my time binge-watching the West Wing (again) and thinking about what I want to paint pink.

I know, I know, everyone wants to know, "when can we get into the woodshop again!" It may seem quiet, but you would not believe the amount of work that has been going on behind the scenes to get the shop up and running again. It has been a team effort and I am incredibly grateful to have so many smart and dedicated woodshop members that care so much about the woodshop and making it the best it can be. Speaking of, here are the improvements we're planning for in the upcoming weeks and months:

## Expansion and Additional Benches

The cage area which held steward and Key Member storage has been removed to create more room for making.

## Benches

To meet a variety of needs and expand shop capabilities, we're going to build a few different types of benches. Something for everyone! Get excited about the new moravian/roubo type benches, good for vice-work needed for hand tools and joinery work; new benches based on a design by Chris Schwarz, and new all-purpose assembly benches. Starting with two benches, we'll eventually have six total.

## Storage and Counter Space

With the Greenway moving farther away, we'll have additional room for those essential tools that



we all use. We'll also have a counter space that will be level to the benches allowing for additional work space. Discussions regarding paid Key Member storage are ongoing and we will let you know when we know more.

### Tools

"The bleeping [fill in tool here] isn't working. Again." We've heard you, tool down-time has been a problem, especially given our skeleton crew of volunteer handy-persons that have tried their best with tools that have gone a little past their expiration date. We're calling in reinforcements. Our experience with purchasing the industrial SawStop serves as our guiding light. We're going bigger and beefier to account for the various types of woodworkers that share these tools. Prioritizing higher quality and more durable tools will set us up for growth, exactly what we need for NL 3.0.

### Sander

We'll be replacing our old stationary sander with a higher powered version, taking advantage of the new three-phase power installed in the woodshop.

### Bandsaw

Slab projects? Yep, we like 'em. Want to turn

giant bowls and make entry-way tables from the wood that comes out of your own yard? We do too! We've been in discussions with high-end tool manufacturers to purchase a bandsaw with a resaw capacity sufficient to handle some serious logs (~20" wide!)

### Planer

What are you going to do with that milled slab? You'll need a giant planer for a giant slab. Yep, that's another tool request in-process. Transforming a raw log into beautiful, perfectly flat slabs of wood in under an hour would be a possibility.

### Other improvements

Boy it's dusty in here...well, we're working on that too. A new and improved dust collection system is on our radar. We're not looking to reinvent the wheel, but we think we can seriously boost our capacity by combining the existing ductwork with a stronger motor.

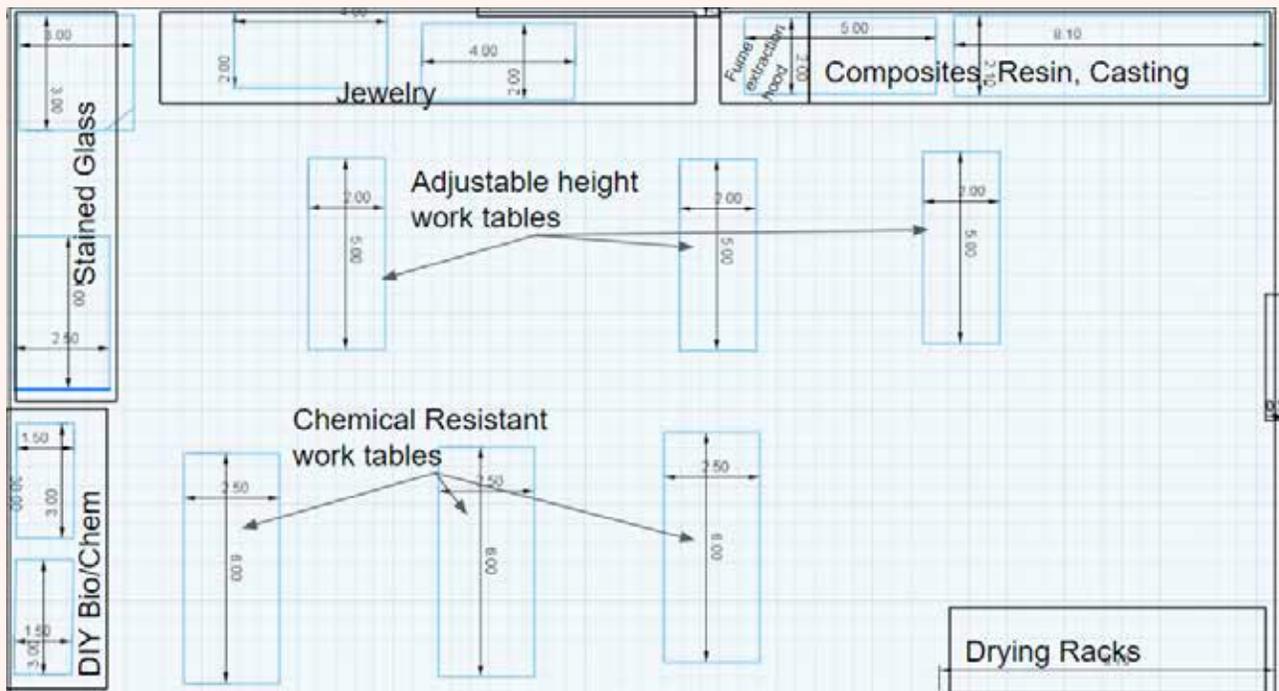
The layout of the shop will mostly look the same, but expect some changes along the way including a space for lumber storage and a new space for short-term project storage.

Looking forward to seeing you back in the shop for watermelon Wednesday :)

# Wet Studio/Projects Classroom

by Siobhan Williams

We are creating our very own wet studio and projects classroom where classrooms A and B previously were. This has been made possible by the broader changes and expansion of 1916 and 1930. We have installed a new easy-to-clean, while safe to get wet, floor coating, and within are new spaces to expand jewelry, composites, and stained glass. Additionally, we will add to our expanding educational opportunities with DIY biology and chemistry areas. Other opportunities that will find new homes include silk-screening, and air-brushing. Activities in the new wet studio and project classroom aren't limited to the categories listed above, but include (and are not limited to) resin and epoxy pours, cardboard boat regatta builds, and anything that needs a (relatively) dust-free environment that doesn't fit into the other shops.



A brief overview of the new wet studio is shown above, with tentative placements of the various disciplines. New cabinets will be purchased for storing the chemicals for DIY biology, and new storage and layout capabilities will be added to composites and casting. Jewelry and stained glass are moving out of the Greenway into their own custom built work surfaces and storage, and we're even getting ventilation added for a fume extraction hood, and potential tie-in to jewelry and glass soldering ventilation. While sparse at the moment, we are still making adjustments as the requirements are being identified including temporary storage for project, drying racks for composites and resin projects.

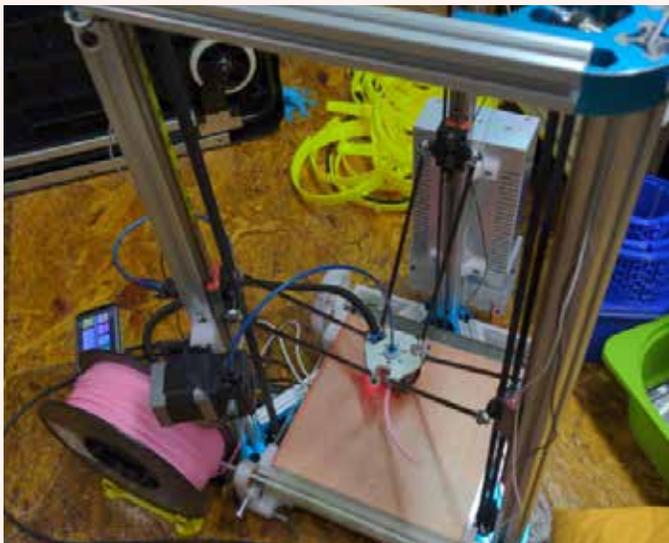
The former classroom A, now the projects classroom, is getting a new shop sink, paired with an eye wash station. There will be space and flexibility in this room to create those beloved cardboard boats, host larger paint pour classes, and just about anything else we need to do there. The project classroom space will remain flexible in order to support our myriad programs.

The addition of the vent hood gives us the opportunity to not only complete projects and classes in the realm of chemistry and biology, but also opens the doors to small-scale powder coating and fine metal clay work, and many casting processes.

# 3D Print Corner Updates

by Paul Chase

Nova Labs' fleet of largely home-built 3D printers have been touring the Northern Virginia area, printing out entire spools of PPE in the mansions and hovels of various nefarious Nova Labs members. While they were out, the 3D printer stewards have been coordinating on how to improve our stable of equipment, and came up with goals, aspirations, and plans. We plan to support four general types of makers, with differently featured machines.



Dr. Rockso printing out a series of lower reinforcement brackets for the Prusa face shields as part of the PPE project. You can see the pile of shield headbands in the back erupting from Bertha, Dr. Rockso's older sister.

First off, makers who would like to learn about 3D printing — we've got this use case well covered with our homemade Nova I3 and Nova 300 machines, but retiring and upgrading some of the older printers is ongoing. Second, we have makers who just need a quick print - these will be supported primarily with a few Prusa Minis, two of which are already ready to print! We'd also like to add entry-level SLA machines, for higher resolution needs. Third, we want to support the 3D printer enthusiasts — folks on the bleeding edge of technology, or perhaps beyond. For this, we've been upgrading our larger machines, the Nova 300 and Taz, to hardened steel nozzles to play with exotic filaments. Finally, we want to support



more entrepreneurialistic (yes, that's a word!) makers with fully-enclosed, larger format machines (still in the planning stage), along with the Form 3 professional SLA printer we already have.

On top of the support plans, I've been working on part-ejecting printers to enable print farming without, you know, actually having a print farm; the idea being you can get hundreds of parts with very little effort – a step between traditional 3D printing and injection molding. Since the machines require no human intervention between prints, we've also been exploring cloud-based 3D printing services; a user could select a printer, upload their STL, print, and come to pick it up when it's ready. These are still in the stretch goal phase, and if you'd like to know more or help, let us know - [paul.chase@nova-labs.org](mailto:paul.chase@nova-labs.org)!

Physically, the 3D printers will move over into the electronics corner, encompassing the space next to the shop door and extending up to where the current CAD workstations live. We plan to have two benches for 3D print finishing and SLA washing, filament storage, and parts storage cabinets, and three racks of 3D printers.

We've also moved the traditional 3D printer night to every other [Wednesday evening - questions, comments and demonstrations welcome.](#)

# Crafters' Cove

by Carrie Hafer

As the Nova Labs redesign of 1916 goes forward, Crafters' Cove will also be getting a face lift. It will be expanding to either side of the current Crafters' Cove footprint.

Much of the Crafters' Cove redesign generally means you will not need to move 3-5 things to get to the tools you are looking for. This will be huge. As many of you know we are a tool rich resource but it could be frustrating for the uninitiated to identify where something was.

Once Orange Bay gets cleared of a few more things - it is currently being used as a staging catchall area - Crafters' Cove will be able to start the migration from its existing footprint into a more open and welcoming layout for everyone.

To that end there will be three minor build projects, to accomodate special tool storage. In addition to the build projects there will also be a couple of "some assembly required" items.

Please contact [Carrie](#) if you are interested in a build or assembly project.

And one of them has a really cool feature. We are planning a custom table-in-a-table. The outer table will be a bar height work table for general making, crafting, and gathering, with a folding fabric cutting table that tucks under. The cutting table is a sewing room standard that we've wanted to add for quite some time, but lacked a space suitable for it.

In other news the [jewelry bench tools and the stained glass cabinet and tools will be transferred to the new wet studio, with Siobhan Williams as steward.](#)

While helping with the rebuild you may see all the glass tools and materials stored temporarily in Orange Bay where parts of the Crafters' Cove will eventually be.

Look for further information on the wet studio plans from Siobhan on page 13, who has hit the ground running!



Find me on Nova Labs Slack: @carrie

## SAFETY REMINDER

### No Mask. No Make.

We need all the volunteer help we can get, but we need to make sure that we are all kept safe from viral exposure. Bring your own safety glasses as well, please.

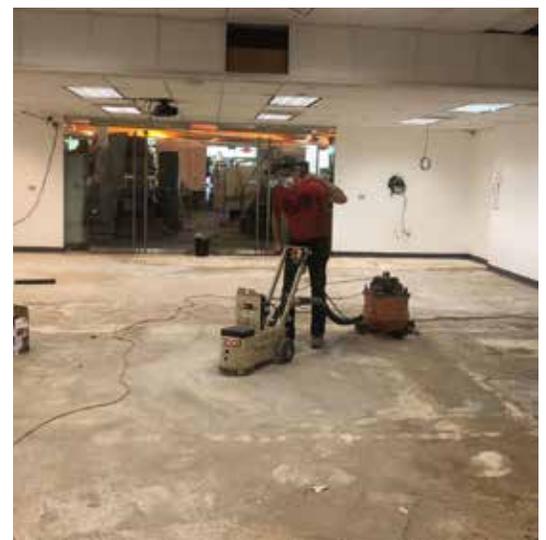
## Welcome back!

Members making their own projects and volunteers helping with renovations and PPE may come in to use the shops and other areas by appointment.

[click here](#)

# REMODELING 1916 - THANK YOU!

Volunteers helping with the remodeling of 1916. If you have images of the remodeling and would like to share, please send it via Slack to [Veronika @V](#)





# HAPPENING IN JULY

Calendar of Events Provided by Instructors and Randall Wood

Some of the Main Attractions in July are below. Event names are clickable.

7/1/20	10:00	<a href="#">IoF: Physics and Engineering for K-5</a>
7/1/20	20:00	<a href="#">3D Printer Hangout</a>
7/2/20	19:00	<a href="#">Kinetic Sculpture Build Team - VIRTUAL</a>
7/2/20	19:00	<a href="#">EL: Introduction to Basic Electronic Circuits</a>
7/4/20	10:00	<a href="#">Robotics Group Online Meetup</a>
7/6/20	19:00	<a href="#">AC: Mending Monday</a>
7/6/20	19:00	<a href="#">WW: Woodworking Series: Long-Grain Cuttingboards</a>
7/8/20	10:00	<a href="#">IoF: Physics and Engineering for K-5</a>
7/9/20	19:00	<a href="#">EL: Introduction to Arduino Microcontrollers using TinkerCAD</a>
7/9/20	19:00	<a href="#">Kinetic Sculpture Build Team - VIRTUAL</a>
7/11/20	11:00	<a href="#">AC: Spears &amp; Swords Series: Traditional Jian Swords</a>
7/13/20	12:30	<a href="#">LC: Makers on Fire - CAD and Laser Summer Camp, ages 11+</a>
7/15/20	10:00	<a href="#">IoF: Physics and Engineering for K-5</a>
7/15/20	20:00	<a href="#">3D Printer Hangout</a>
7/16/20	19:00	<a href="#">EL: Intro to Sensors with Arduino using TinkerCAD</a>
7/18/20	10:00	<a href="#">Robotics Group Online Meetup</a>
7/18/20	11:00	<a href="#">AC: Spears &amp; Swords Series: Traditional Hook Swords</a>
7/18/20	13:00	<a href="#">NVIDIA Jetson GPU Online Meetup</a>
7/20/20	09:30	<a href="#">RO: SuGOBots Summer Camp (Online)</a>
7/20/20	19:00	<a href="#">WW: Woodworking Series: How To Build A Wood Hand Plane</a>
7/20/20	19:00	<a href="#">AC: Mending Monday</a>
7/21/20	19:00	<a href="#">Arduino Group Meetup - Virtual</a>
7/22/20	10:00	<a href="#">IoF: Physics and Engineering for K-5</a>
7/23/20	19:00	<a href="#">EL: Introduction to Analog Circuits</a>
7/27/20	12:30	<a href="#">LC: Makers on Fire - CAD and Laser Summer Camp, ages 11+</a>
7/28/20	19:00	<a href="#">Raspberry Pi Users Meetup</a>
7/29/20	10:00	<a href="#">IoF: Physics and Engineering for K-5</a>
7/29/20	20:00	<a href="#">3D Printer Hangout</a>

# SPOTLIGHTED EVENTS



## Makerspace Virtual Open House - Guided Tour/ Q&A

Come take a look and see if this is the space is for you. We'll take a guided tour of the makerspace, see what people do here. Get your questions about membership answered. **July 7 | 7:00pm**  
Register on Meetup: <https://www.meetup.com/NOVA-Makers/events/271640812/>

## How To Build a Wood Hand Plane

There are few things as satisfying as building your own tools. Learn the basics of plane anatomy while learning advanced skills on the bandsaw and table saw. **July 20 | 7:00pm**  
Register on Meetup: <https://www.meetup.com/NOVA-Makers/events/271447364/>



## LC: Makers on Fire - CAD and Laser Summer Camp, ages 11+

TLive and In-person at our makerspace in Reston, VA. Learn fundamental engineering skills such as computer-aided design, laser cutting, retro computer gaming, and 3D printing. By the end of this training, each of you will be the swiss-army knife of young makers. **July 27 | 12:30pm**  
Register on Meetup: <https://www.meetup.com/NOVA-Makers/events/271424381/>

## Welcome back to Nova Labs!

Members making their own projects and volunteers helping with renovations and PPE may come in to use the shops and other areas by appointment.

[click here](#)

# POLICY MINDER - UPDATED 7/7/20

Check the Nova Labs wiki and signs in the space for updates.

If you have questions, please send it to [Karen.shumway@nova-labs.org](mailto:Karen.shumway@nova-labs.org) or Slack @ Karen Shumway

## Phase II and III COVID-19 Policy:

The goal of this phase is to enable the members of Nova Labs to use the space for active making. Classes and events will still be held online. Teleworking and socializing at Nova Labs are not permitted.

## Priority Access:

- Preparation of 1930 for opening
- 1916 space optimization
- Online instruction setup and delivery
- Nova Labs' PPE Initiatives

## Who can Access:

- Board members
- Board-appointed Team Leads, Assistant Team Leads, and Coordinators
- Board-appointed Stewards and Assistant Stewards
- Key Members
- Associate Members
- Non-members are not allowed in the space unless they are critical personnel on priority projects

## Hours of Access:

- 24/7 access for Key Members and priority project volunteers
- Limited hours for Associate Members

## Criteria for Re-opening:

- We will align our re-opening phases with the guidelines set forth by Governor Northam for the state of Virginia
- If the conditions that triggered Phase I, II, or III closing re-surface, Nova Labs access will regress to those conditions.

## Safety Precautions:

### Kitchen Usage

- Do not leave dirty dishes on the counter or sink (place in the dishwasher immediately after use)
- No sharing food or beverages
- Wipe down all surfaces with disinfectant before you leave the kitchen (this includes table, counter, door and drawer handles, microwave tray and handle, refrigerator shelf and handle, etc.)
- Throw dirty napkins or paper towels in the trash immediately after use
- Do not use the kitchen when someone else is using it (unless invited)

### 1916 Occupancy

- Orange Bay: maximum of 1 person per table at a time and no closer than 6' to another person
- Laser cutter: maximum of 2 people at a time
- Classrooms: maximum of 4 people at a time
- Conference rooms: maximum of 2 people at a time
- Woodshop: maximum of 10 people at a time
- Metal Shop: maximum of 10 people at a time
- Greenway: maximum of 2 people at a time
- Blacksmithing: maximum of 2 people indoors; outdoors, maintain 6' social distancing and wear a face mask of mostly natural fibers.

### 1930 Occupancy

- Enclosed offices and small conference rooms: maximum 2 people at a time
- Innovation Center hot and dedicated desk spaces: desk spacing cannot be closer than a 6 foot radius between adjacent desks
- Community Bay: maximum 2 people at a time
- Events Room: maximum 1 person per table with tables spaced/marked to ensure social distancing

- Robot Corral: maximum 4 people at a time
- Videography Suite: maximum 2 people at a time
- Community Classroom: maximum 1 person per table with tables spaced/marked to ensure social distancing
- Lobby: maximum 3 people at a time

**Thoroughly disinfect the surfaces and tools you have used before leaving**

#### Coronavirus symptom questionnaire:

- Have you been within 6 feet of a person with a lab-confirmed case of coronavirus for at least 5 minutes, or had direct contact with their mucus or saliva, in the past 14 days?
- In the last 48 hours, have you had any of the following NEW symptoms?
  - Fever of 100.5°F (38°C) or above, or possible fever symptoms like alternating chills and sweating
  - Cough
  - Trouble breathing, shortness of breath or severe wheezing
  - Chills or repeated shaking with chills
  - Muscle aches
  - Sore throat

- Loss of smell or taste, or a change in taste
- Nausea, vomiting, or diarrhea
- Headache

• Positive COVID-19 test **If you answer yes to any of these questions, do not come to Nova Labs.**

- Wear a clean face mask that covers BOTH your mouth and nose the entire time you are at Nova Labs
- Preserve social distancing of six feet

• Note:

These precautions were created using the guidelines and data presented by: The White House Coronavirus Task Force and CDC <https://www.whitehouse.gov/openingamerica/>

Dr. Erin Bromage, Professor of Biology, Dartmouth College <https://www.erinbromage.com/post/the-risks-know-them-avoid-them>

#### Building Access:

- For physical access to 1916 or 1930, please fill out this form at request badge activation: <https://tu.nova-labs.org/pvr>



# BOOKING ONLINE RESERVATIONS

Due to the current health situation and social distancing requirements, members making their own projects and volunteers helping with renovations and PPE may come in to use the shops and other areas by appointment.

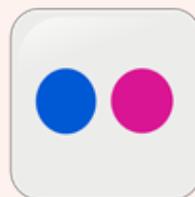
The lasers are online and operational in our new, much larger laser lab. The blacksmiths are pounding hot metal out back. The 3D printers and electronics areas are ready for you. Our brand new Wet Lab (with sink!) has tables, workspace, jewelry, and stained glass. We also have a temporary Greenway setup in Classroom B.

Have a project to make? Want to see how the space has changed?  
Sign up via the Nova Labs Reservations portal.  
See #volunteering on Slack to find out how you can volunteer.

Starting on August 16th, we'll be back to a normal schedule for Keys and Associates.  
Registering and reserving on the portal is not difficult. **Click here** to get started.  
(Mobile users may use the **zohocreator portal** app).

**Come back to your makerspace and rediscover the joy of making things**

follow us on your favorite social media sites



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