

Studio Guidelines

Welcome to ENTS Pottery Studio!

We're thrilled to have you join our community of artists and pottery enthusiasts.

This guide is an intro to the space and intended to make things accessible for the member who is brand new to pottery and contains information and norms for people who have more pottery experience. ENTS is a makerspace and welcomes the contributions and expertise of all studio users. If there's anything in the guide that you'd like to add to or revise, please connect the Pottery Committee.

Best practices in the space:

- Communal effort. ENTS is completely member run. The more we pitch in, the better the space is.
- **No dry sanding** (wet your piece while sanding, or your sandpaper if sanding greenware)
- The space should be as clean or cleaner than how you found it
- Mop floor and setup 'Wet Floor' sign to avoid potential slips, trips and falls .
- Sign your name and pottery mark on the sheet near the glaze and bisque carts
- You will be assigned 2 spaces, 1 for a storage bin, and 1 box of clay.
- You will have a choice of using solely the communal greenware work in progress shelves (ideal for those that are at the studio infrequently, make only a few things in any given week or mainly models/carves 1-2 pieces) or have an assigned greenware work in progress shelf (ideal for those at the studio frequently and have a number of pieces in progress in any given week). The overflow spaces are for the rare occasions that you exceed your shelf space.

Clean up! Dust from clay, dried glaze, and sanded ceramics is dangerous and long term exposure to it can cause irreversible lung damage and a condition called silicosis. It's crucial to clean up after you work. Please don't dry sand in the space (if you have to sand a fired piece, do it wet).

Wipe down every surface you worked at with a wet sponge. Even if you think you didn't leave any mess, there is almost always some clay crumbs or left over glaze. Use a spray bottle on the wedging table to help loosen leftover clay. If you use the wheel, you are required to mop around and under the wheel. When you empty your tray from throwing, put that water into the reclaim bucket. There's important parts of clay (fine particles) in it that help bind the reclaim.

After glazing, wipe down the rim of the glaze jar so it's easier for the next person to open. If you aren't able to open a glaze bottle, run the rim upside down under warm water and wait a minute or two for the glaze to soften.

Wash all the tools you used and set them to dry. Empty the drying rack and put away tools and containers left there. Rinse sponges and set them to dry.

Aim to leave ENTS cleaner than when you arrived

Notifying the Board of Directors if any supplies are running low, anything that is broken or not operating the way it should. Requests for glazes, tools and other supplies can be submitted to the Pottery Committee for consideration. The Pottery Committee will provide the Board of Directors with a request.

Equipment use and instructions

The wedging table

- Scrape off all of the clay and remove as much clay as you can
- Spray down with water and wipe with a wet sponge
- When the table dries there should not be dried clay
- We have 2 wedging tables, one for lighter coloured clay (370) and one for darker clay (M390, coffee clay). If you are wedging white clay, clay with mason stains, or porcelain, you may want to use the separate wedging boards to prevent contamination. Clean the wedging boards as you would the table.

Glaze and work tables

- Wipe and wash surfaces with a wet sponge, there should be no evidence of glaze or clay left on the table
- Put away any items you've used
- Completely wipe down banding wheels if used.

Wheels

- With a wet sponge, clean the wheel head, detach (if possible for the wheel) and wash the splash pans, sides of the wheel and the foot/ pedal.
- Utilize the clay recycling buckets (if you can, please drain some water from the pans prior to dumping into the recycling buckets), ensure you are using the bucket that corresponds to the clay that you are using i.e. Dark clay, e.g Red (M390) and Coffee. Light clay, eg. buff (M340), speckled buff (M340S), White (M370), etc.
 - IMPORTANT: the slip that's created from throwing is necessary for the reclaim to be of good quality. This slip contains the finest particles of the clay body and ensures the reclaim is smooth and easy to work with.
- Wipe down the wheel and table top
- Turn off and unplug wheel
- Place foot pedal on table surface
- Mop area around and under the wheel

- Wipe down walls as needed

Extruder Watch: [How To Use A Wall Mounted Clay Extruder](#)

- Take the extruder apart and wipe down the all pieces with a wet sponge.
- Pay special attention to cleaning the inside of the extruder that is attached to the wall.
- Plunger and housing should be free of clay.
- Put plunger and housing back together
- Place pieces and extruder die back in the their storage box

Slab roller Watch: [How To Roll Out Clay In The Slab Roller | Pottery For Beginners | Troy Made It](#) (ours is slightly different)

- Used correctly, there should be no clay on the slab roller, if there is clay on the roller, wipe down with a wet sponge. Wipe down the canvas with a wet sponge and hang to dry.
- Make sure you use the correct canvas. They are marked for white or dark clay.
- Occasionally the canvas needs a better cleaning, rinse in the ENTS sink and then take home and run it through a washing machine and hang to dry.

Sink

- If items are dry please place them in correct locations before washing your items
- Spray the loose clay into the sieve
- Clear the sieve of loose clay and rinse the sink
- Wipe down taps as needed

Heating/ drying utensils

- Hairdryer- unplug and put away
- Space heater - turn off and unplug after use

Storage

Make sure you write your name and date on your clay box, storage bin and greenware work in progress shelve or individual pieces on the communal and overflow shelves.

Glazes and Clay

Communal glazes

ENTS has a glaze library available for members to use. These glazes are contributed by members and it's asked that members who use the glaze library are regularly contributing glazes.

- Wipe the outside of the jar, the rim, and the lid after use.
- To reduce dust and make opening jars easier, hold the jar upside down and run water over it, or submerge the top of the jar in water for 30 seconds.
- In the case of any communal buckets of dipping glaze, mix well before dipping, and wipe the inside of the bucket clean down to the level of the glaze. If the glaze consistency is too thick, mixing may help. Don't add water unless you've checked with someone who made the glaze.
- When you apply glaze to your bisqued piece, make sure there is no glaze on the bottom where it will touch the kiln shelf. When glaze is fired, it turns into glass and anything it's touching will fuse. It can cause damage to your piece, other pieces, or the kiln shelves.
- It's recommended that everyone use cookies to fire. Especially if you are using a glaze you are unfamiliar with or combining two or more glazes, please always use a cookie.

Personal glaze

Members purchase glaze from Plainsman and a variety of online vendors. When purchasing glaze, check what cone it can be fired to. Look for cone 5-6 glazes.

Glaze can be affected by the placement in the kiln, what clay body it's on, and if it's layered with any glazes. Making test tiles can be helpful to find glaze you like.

If you are interested in commercial glaze combinations, there are several facebook groups that may be helpful. [AMACO Cone 5-6 Glaze Forum](#) [Mayco Mud Room Society](#) [Spectrum High Firing Glazes](#)

If you are unsure about any of your glazes or combinations, please reach out to the pottery committee or in chat.

Reclaimed clay ENTS has reclaim for member use. There are two available options. Red/coffee reclaim and white/grey reclaim. Note that the white/grey reclaim will have some amount of speckles (manganese) in it. Place clay scraps, wheel trays, and trimming into either the dark or light clay buckets.

Members reclaim the clay and use a pugmill to process it. Pugged clay is available in blue bins near the reclaim buckets.

Personal clay Most members purchase their clay from Plainsman Clay. For a list of clays that can be fired to cone 6, visit <https://plainsmanclays.com/store/index.php?type=10&xyz=>

Only commercial cone 6 or higher can be used in the ENTS Pottery Studio.

Community tasks/Pottery Chores

Printable list- Pottery Chores

- Make cookies: [How to Make Kiln Cookies The Easy Way](#). We often have cone 10 clay for making cookies, it's stored under the wedging table. If we are out, let the directors know. Kiln wash for cookies is on the glaze chemical shelf. Kiln wash isn't mandatory for cookies, but does help. Use the drywall above the wooden bin storage unit to dry the cookies.
- Dispose of cookies. Cookies made with cone 6 clay (we sometimes make them out of reclaim) get shiny after multiple firings and can begin to stick to pieces. Throw out any shiny cookies or cookies with glaze on them
- Mop the space / wipe surfaces
- Do reclaim (requires training. Reach out to pottery committee)
- Take out the trash
- Clean and put away items on the drying rack
- Take laundry home
 - It's recommended to rinse all the clay off towels and canvas at ENTS for the wellbeing of your washing machine and plumbing
 - Take items home to wash and hang to dry
 - Return to ENTS a hero for doing the laundry!
- Wipe down walls (especially around the wheels)
- Wipe down glazes and glaze area
- Clean the bathroom

Kilns and firing

https://bigceramicstore.com/pages/info-ceramics-tips-tip48_load_fire_kilns_part1#:~:text=The%20bottom%20layer%20of%20shelving,allow%20for%20expansion%20during%20firing. Bisque is fired to cone 04 and glaze is fired to cone 6. [Read here for more information on what cones are](#). If you purchase glaze for yourself, make sure it's midfire to high fire.

ENTS has two kilns. The smaller one with the red panel we call Jack. The larger one with the blue panel we call Jill. Typically we fire bisque in the smaller kiln Jack and glaze in the larger kiln Jill.

Only ENTS certified kiln loaders are authorized to load and unload the kilns.

ENTS does not have a kiln tech. Trained & certified members volunteer their time to load and unload the kilns and do kiln maintenance. **Please contact the Pottery Committee to learn more on how to get certified.**

Use cookies (aka pucks/patties) Cookies are flat pieces of fired clay with kiln wash applied that serves to protect the kiln shelves from glaze drips and protect your piece. There's a container of them near the kiln loading carts. When glaze touches or drips on the shelves it fuses with them. Members volunteer to manually grind that glaze off and reapply kiln wash to the shelves. It's a messy and loud job, so please do everything you can to protect the kiln shelves and other people's pieces.

