

Welcome to the Baima Glass Studio

The Springfield Art Association is excited to offer support as you explore this versatile medium. There is no “wrong” way to work with Glass, but allow the experience of our instructors to guide you toward successful forms and color application.

Studio Expectations

- **CLEAN UP:** Clean up after yourself at the end of class or open studio. Please, return things where they were found. This includes tools borrowed: jacks, tweezers, shears, diamond shears, paddles, blocks, tungsten rods, items on knock-off table, etc. Color should be put back up and in order of the color samples. Please sweep up the floor of the bench and glory hole you worked at and also under the pipe warmer and around the knock-off bucket. Make sure that the hot plate, or fluffy torch is turned off when you're done.
- **WASTE GLASS:** We only recharge clear glass from the pipe knock off bucket. Charging is the process of putting new glass into the furnace to be melted overnight. Glass that is either colored, contaminated, or bottle glass will be put in the recycling bin for pick up! We do not accept bottle glass as it is not compatible with our glass.
- **LABEL:** We do provide all tools needed to make glass works. If you want to purchase your own nicer or specialty tools to make works; they must be labeled and stored only on your shared shelf. We are not responsible if someone else uses or damages personal tools that are left in the studio.
- **SHARED SPACES:** Include loading work in the kiln (back to front, left to right) to ensure everyone can safely get their work in. The stained glass table is shared, it's welcome to be used when no stained glass class is in session. Be sure not to leave anything on the table overnight.
- **SHELF:** There is not enough room in the studio for everyone to have a spot of their own. We provide a space per class to be shared for glassblowing. For stained glass, pieces and work will be stored under the center table. Everything must be labeled.

The shelf storage is for work pick up and storage of your work needing cold work within the 8 week class period. Work left in this space after the class ends **will be removed** from the room when the next session begins.

For One Nighters there is a dedicated shelf for pick up only. If the shelf is empty then the work is still too hot to be taken out of the kiln.

- **NOT ALLOWED:** Food containers are not allowed in the Lab [no old butter tubs, ice

cream tubs, etc.]. Borosilicate glass is not allowed in the Hot Shop as it is not compatible.

- **RESPECT:** Do not touch any other student's shelf, tools, color, or artwork. Respect is essential in our shared space. Please don't risk accidentally breaking someone else's hard work. The studio reference (aka the book: "Life on the Rails") is not to be taken out of the studio. Copies for personal reference can be made in the office. You may also photograph the book with your phone!
- **POSITIVITY:** Negativity directed at your work, yourself, or anyone else in the studio isn't productive. Keep it about the love of learning and have some fun! We're here to help you succeed!

Damaged Work Policies

- Try as we might to prevent them, accidents happen. If your work should ever suffer damage due to forces outside of our control please know that we did not damage ware on purpose but we are still sincerely sorry for your loss.

Missed Class Policies

- Classes skipped by students voluntarily for vacation or other pre-planned events can **not** be made-up free of charge. Students are welcome to utilize open studio time at the current rate. This information is on our website listed below.
- Class hours missed due to medical or family emergencies can be made-up at open studios at the rate of 3 hours missed class time to 1.5 hours open studio time. Instructors **will not** provide instruction during this time for missed classes. Please notify your instructor of illnesses or emergencies upon returning to class. Instructors will notify the Education Director of excused absences for recordkeeping.

Injury or Emergency Policies

If there is an emergency, **call 911**.

- Notify the instructor
- In case of injury, ask for an accident form to fill out date, time, and accident report.
- In case of burn or minor injuries
 - The first aid kit is located to the left of the sink in the black drawers.
- In case of burn
 - **Immediately** submerge burn in cool running water for 10 mins.
 - After the burn has been submerged, coat the burn in burn spray or cream. This will disinfect and numb the area.

- Keep the area covered and/or moist for 2 weeks to allow it to heal **slowly** to prevent scarring.

End of Session Student Responsibilities

- All work should be removed from the shelves by the end of the last class. Work made on the last day of class will be expected to be picked up before the next session starts or it will be removed. Students are responsible for their own work.
- Any student who is not returning must clear off their shelf.

Open Studio Policies

- Open Studio hours are scheduled and posted on <https://www.springfieldart.org/open-studio.html>
- You must sign in and record your hours on the clipboard by the door. All other usual studio rules apply. Have the open studio facilitator sign off on your payment to make sure that the correct amount has been paid. **Payments are due the day of.**
- Work made during open studio will be taken out of the kiln and placed on the open studio pick up shelf. This shelf is for pick-up work only.
- **Open Studio is \$13 per half hour** (\$26 per hour). Pay by Exact Cash or Check in the drop box just inside the door; pay by Credit Card online or in the SAA Front Office. Change for larger bills is available at the desk in the SAA Front Office.

Staff Contact Information

Please, let us know if you have a problem, concern, or extra showering of well-deserved praise. **Education Director:** Erin Svendsen - education@springfieldart.org
Ceramic Studio Manager: Mario Clarke - TBA

Equipment Temperature Ranges

Glass Furnace ~ 2200 degrees Fahrenheit
Glory Holes ~ 2150-2300 degrees Fahrenheit
Kiln ~ 960 degrees Fahrenheit
Garage ~ 1050-1150 degrees Fahrenheit

Glass Temperature Ranges

Boiling point ~ 2500 ish degrees Fahrenheit

In the Furnace ~ 2200 degrees Fahrenheit
Working range ~ 1100-1700 degrees Fahrenheit
Softening temp ~ 1100 degrees Fahrenheit
Annealing temp ~ 960 degrees Fahrenheit
Strain point ~ 740 degrees Fahrenheit
Strain point ~ 420 degrees Fahrenheit
Safe to touch ~ 150 degrees Fahrenheit
Safe to remove from kiln ~ under 100 degrees Fahrenheit

Extra Information

Glass is an amorphous solid, which means that it lacks the long-range ordered structure of a crystalline solid. This is why glass is often referred to as a “non-crystalline” solid. In a crystalline solid, the atoms or molecules are arranged in a highly ordered, repeating pattern, and the material has a distinct melting point in contrast, the atoms or molecules in an amorphous solid are arranged in a more disordered, random pattern, and the material does not have a distinct melting point. Instead, it undergoes a transition from solid to a viscous liquid over a range of temperatures, known as the glass transition temperature.

The physical properties of glass are intermediate between those of a solid and those of a liquid. Glass is hard and brittle, like a solid, but it is also able to flow and take on the shape of its container like a liquid. This is why glass is often used as a container for liquids, as it can hold its shape but also take on the shape of the object it is being poured into. Glass also has a high level of transparency, making it useful for applications such as windows and eyeglasses.

Glass at room temperatures is stable and safe. When super heated glass is highly corrosive and causes damage to both the furnace and the glory holes that it comes in contact to. When in a powder form it is recommended to not inhale.