



Fused Glass

Allotment

- Fused glass is available for purchase in the art start room. Clear or colored glass up to the size of 2x2 is free per child of the class. If you use a bigger size, you will need to pay \$1.00 per inch extra per kid. Please contact us if you need a special size for a project. Please use the scrap bin pieces, rods or frit jars to add to your pieces for free. Glass is not purchased on a monthly basis, but rather once a year. Using colored glass for accent pieces for larger projects, will require you to use your stipend. You will be charged \$1 per inch extra. If you have a project larger than 2x2, contact Mandy Brunner, so we can ensure we have what you need or re-supply if possible. Please give a 2 week notice to that you will be doing a glass project. This will allow time to discuss your project and gain access to the glass. Colored and Clear glass 2X2 and larger are located in a locked black filing cabinet in the main art room. If you need help cutting glass or to gain access to the black filing cabinet, contact Mandy Brunner (Hrtlandrab@aol.com).

Types of Glass

Use only Bullseye COE 90 glass. Do not bring in outside glass as different types of glass are not compatible and will not fuse together. The type of glass we use in the art start room is Bullseye COE 90. Please use glass sparingly and save every unused piece. Scrap glass can be used on later projects. Please use the containers in the art start room to sort colored glass after use. Please don't mix glass. This will help maintain our glass supply.

Purchasing Glass

Purchasing your own glass: if you would like to purchase your own glass, you may purchase it locally at Cascade Glass in Redmond, 9003 151st avenue NE, Redmond, WA 98052, (425) 861-8600. Be sure to only purchase Bullseye COE 90 if you are using it in the kiln. You can buy lots of exciting glass options with your stipends.



Glass Tools

Glass cutters, running pliers, metal rulers, safety glasses, gloves, and glue are in the art start room. Everything is located in the corner of the art room in the white drawer bin. The art start room stocks oil cutters and one self-oil cutter. The oil cutters need to be dipped into a little oil before cutting. The self-oil cutter is also in the art start room, and must be checked out before use. Please return all glass-cutting tools after use. They are very expensive.

Stringers (thin glass straws), frit (loose small glass chips), rods (thick glass straws), and scrap glass can be used to layer your glass projects. Do not build glass projects higher than three glass layers thick.

Adhesive

A little goes a long way. Each layer does not need to be tacked down, you can use a few drops on the side to hold it into place. The fused glass glue (pink glue) is designed to spread, just a few drops is sufficient. Too much glue will leave brown spots on your glass. You may also use suave or aqua net hairspray as an inexpensive glue alternative. Use all glue sparingly to avoid blemishes in the finished product.

After glaze ware firing, use e6000 to glue any metal pieces onto your glass (can be purchased in any craft store). Do not use e600 if the project is near a heat source such as a nightlight, but instead use super glue. Bails for necklace pendants can be purchased through Amazon or Ben Franklin.

Cutting

Always use safety goggles when cutting glass...no exceptions! Students must wear safety goggles when cutting glass due to any debris or chips that may cause injury. Always have Band-Aids nearby.

Cut your glass on a flat, clean surface. Use paper or cardboard underneath. Begin by scoring the glass with the cutter on the smooth side of the glass. Use a metal ruler as a guide for a clean straight line. Pull a strong single cut with the glass cutter. Do not drag the cutter with your wrist, rather use your hand to pull the



cutter along the glass. Score on the smooth side of the glass only once. Use the running pliers on the edge of the glass (plier screw side up) to crack the glass at the seam. The glass will split in a clean break. Be careful when handling the glass at this stage. The edges and corners are very sharp. We recommend you use gloves (in the art start room) and also precut your glass for younger students. When allowing older students to cut glass, always assist.

Metal Attachments

Use copper wire to make a metal attachment or hanger for your glass. Copper wire can be bent and slid in between layers before putting the glass into the kiln. Make sure you have enough length that it will stay in the glass when firing.

Firing the Glass

Special kiln shelves are required for glass. Use only the shelves that have a white protective coating (a white matte finish). This coating is a kiln shelf protection that has been fused onto the shelf. This kiln shelf wash prevents glass from fusing to the shelf. Do not use untreated shelves for your glass or it will ruin the shelf and your project. If you have any questions, please ask before firing.

Fused glass firing guide: use the kiln-firing guide for fused glass. A diagram is located on the wall above the kiln and in the booklet on the glazed paint shelf.

Make sure you reserve the kiln and be aware of your size of project. Projects over 2X2 will require shelf space. Therefore, you might need to schedule an extra day.

Glass fires more evenly if you put the glass in the middle shelves of the kiln.

Identifying Your Student's Artwork

Firing of the glass will remove any writing on the glass. Have the students draw a coordinating picture in color. This will help identify their project. You may also create a map with each student's name/project description as you load each project into the kiln. You can use your cell phone to take a photo with name tags on top of the projects before firing as well. This will help reduce any confusion when unloading projects.