

First Impressions Materials & Resources

Clay and Investment Mold Materials

Look for a ceramic supplier in your area, they should carry many or all of the necessary materials.

- 5 lbs Grey clay for positive (smooth-low grog content)
- 25 lbs Grey clay for mold walls (reclaim is appropriate)
- 10–15 lbs Pottery plaster
- 10–15 lbs Quartz (silica 200 mesh)
- 5 lbs Medium grog sand ([008770](#))
- Construction or play sand (to level mold on kiln shelf)
- Bullseye Investment, 5 Lb ([008244](#)) and 40 lb ([008245](#)) bucket of pre-mixed plaster and silica (1:1) investment. *Bullseye pre-mixed investment is a 1:1 ratio plaster : silica and is a convenient option if you are unable to locate plaster and silica through other suppliers*

Rubber

- 6 lb kit [Polytek 74-20](#) series polyurethane rubber
- [Polytek 2300](#) release agent spray / [Mann Ease Release 200](#) universal release agent

Glass

- 1–2 billets of [Bullseye casting billets](#) (quantity will vary on size of project)
- Crystal Clear ([001401-0065](#)) used in class
- Distilled water, isopropyl alcohol, and white vinegar (to make natural cleaning solution if desired)

Moldmaking Tools

- Plastic quart [mixing containers](#)
- Medium size [mixing bucket](#)
- Clay / wax working tools ([stainless](#) or forged steel)
- Clay tools: [ribbon tools](#) , [clay knife](#)
- MudTools: [rubber ribs](#), [finishing sponge](#), [shredder](#), [mudwire](#)
- Digital scale, rolling pin, spatula, wide / soft paint brush, plastic work board, large piece of canvas

Personal Protective Equipment

- Respirator with particulate cartridges & vapor cartridges (if working indoors without ventilation)
- Nitrile gloves
- Safety glasses
- Hair tie (for long hair)
- Apron (fabric for mold-making / plastic for coldworking)
- Ear protection

Coldworking (with no access to coldshop)

- Large piece of 10 mm thick float / plate glass
- Various silicon carbide grits ([80](#) / [120](#) / [220](#) / [400](#) / [800](#))
- Washing up liquid / dish soap
- Sharpie / marker pen
- Diamond pads ([60](#) / [120](#) / [400](#))

Coldworking (with access to coldshop)

- [HIS Glassworks](#) is an excellent coldworking resource for equipment and grinding/polishing consumables.
- [Silicon Carbide Abrasive Belts](#) (80 / 220 / 320 / 600 / cork) (length suitable for Belt Sander available—106" x 4" used in demos)
- [3M Trizact Belts](#) (green, blue, orange)
- Felt wheel, disc or belt
- [Cerium Oxide](#)