



Studio ♦ Jewelry ♦ Classes

Silver + Steel = Mixed Metals Magic

Live online class with guest artist Bette Barnett

September 24-26, 2021

The following is a list of required tools & materials students need to be successful in this online class:

- Torch- dual gas torch like acetylene/air, oxygen/propane, or oxygen/acetylene will be needed. (Please note that small butane, propane and MAPP torches do not produce enough heat.)
- Silver sheet: fine silver, sterling silver OR Argentium sterling silver (Note this will be rolled down to prepare for fusing to steel). Minimum 1" x 1" square, thinnest gauge available. Available from Rio Grande.
- Soldering supplies like solder pick, third hand, soldering pads or charcoal blocks, silver solder
- Tweezers
- Firebricks or something similar to support metal from below (Note: not needed if you are using an air/acetylene torch)
<https://www.riogrande.com/product/skamolex-vermiculite-soldering-block-5-1-2-x-2-3-4/502034>
- Small crucible with pinch tongs or small charcoal block with a small well carved into the surface
- Borax for seasoning your crucible (if using). 20 Mule Team Borax from grocery store or Amazon.
- Pickle pot—non-ferrous metals (silver, copper, gold, etc.) should not be mixed in the same pickle pot as ferrous (or mixed metals with ferrous) metals
- Pickle pot tongs— Plastic, steel or wood tongs for the pickle pot (**not copper**). Grocery or hardware store.
- Pumice cleaner (either GoJo or Fast Orange or regular household cleanser such as Barkeepers Friend)—Amazon or hardware store
- Patina- Two options: Gun bluing—Oxpho Blue from Brownells OR Presto-black PC-9 patina from Sculpt Nouveau (To save shipping costs check their website for a distributor close to you.)
<https://www.brownells.com/gunsmith-tools-supplies/metal-prep-coloring/metal-bluing/liquid-cold-bluing-chemicals/oxpho-blue--prod1072.aspx>
<https://sculptnouveau.com/collections/finishes/products/birchwood-casey-liquid-patinas?variant=6887817019457>
- Basic hand tools: - Jeweler saw and 2/0, 3/0, 4/0 blades - Flush cutters - Pliers (chain nose, round, etc.) - Ruler - Scribe - Files- flat and ½ round file (note that mild steel will not damage files)- Hammers—mallet (rawhide or Delrin), whatever you like to use for forming
- Optivisor or other wearable magnifiers if you find them helpful