

Jesse Bert
Tools/Materials
Online Class
Captures & Connections
February 28th & March 7th

Required tools to follow along with class demos:

- 1 jewelers saw frame, RIO, part number: 110042
- 1 Jewelers bench pin with anvil. RIO, part number: 110014
- 1 jewelers ring clamp (Optional) RIO, part number: 113105
- 1 Flexshaft motor tool: https://www.etsy.com/listing/200728711/grobet-18hp-flexshaft-kit-with-30?ref=hp_rv-2
- soft bristle brass brushes for applying Liver of sulphur (*Optional*) RIO, part number: 113172
- Needle files, a variety of different shapes, RIO, part number: 114797
- 1 half-round #2 cut file, RIO, part number: 114929
- A few ball burs, a variety of sizes between 2-10mm, RIO, part number: 341604
- Burr-life or beeswax for saw blades, RIO, part number: 117003
- 1 apron
- close-toed shoes
- 1 Center punch or scribe to mark metal for drilling. RIO, part number: 113329
- 1 piece, Tubing (thin wall, copper or silver) x 6" long 1/8" Diameter, AllCraft, NYC, Tel: 212.279.7077
- 1 piece, Tubing (thin wall, copper or silver) x 6" long 5/32" Diameter, AllCraft, NYC, Tel: 212.279.7077
- 1 piece, Tubing (thin wall, copper or silver) x 6" long 3/16" Diameter, AllCraft, NYC, Tel: 212.279.7077
- 1 piece, Tubing (thin wall, copper or silver) x 6" long 1/4" Diameter, AllCraft, NYC, Tel: 212.279.7077
- Bench vise: https://www.amazon.com/Yost-LV4-Home-Vise-41/dp/B00YS401X0/ref=sr_1_1_sspa?dchild=1&keywords=bench+vise&qid=1607006399&sr=8-1-spons&pssc=1&spLa=ZW5jcnlwdGVkUXVhbGlmaWVyPUEwNzYwMDM4M0M4NUVNSUdCTjRLQSZ3aWRnZXROYW1lPXNwX2F0ZiZhY3Rpb249Y2xpY2tSZWRpcmVjdCZkb05vdExvZ0NsaWNrPXRydWU=
- Drill bits (at least two): #55, RIO, part number: 349414
- Draw plate for making wire capable of creating wire which measures 1.26mm. RIO, part number: 113561
- 1 pin vise. A wonderful handmade version of these are available on the instructors Etsy shop: <https://www.etsy.com/shop/HandToolSanMiguel> While supplies last, or you can also purchase them from Amazon: https://www.amazon.com/Single-Jewelry-Hollow-Handle-Collet/dp/B01A9CK50/ref=sr_1_18_sspa?dchild=1&keywords=brass+pin+vise&qid=1607006645&sr=8-18-spons&pssc=1&spLa=ZW5jcnlwdGVkUXVhbGlmaWVyPUEFRNlJLMTRZMTJDTDEmZW5jcnlwdGVkSWQ9QTA3NjEyMzAyVDJQUiZPMdDSDDNKJmVuY3J5cHRIZEFkSWQ9QTAxMjMyNzgxVzA4VUwzTTVMs0QwJndpZGldE5hbWU9c3BfbXRmJmFjdGlvbj1jbGlja1JlZGlyZW50JmRvTm90TG9nQ2xpY2s9dHJlZQ==
- Several wooden dowels or kitchen scewers, 3/16, and 1/4" diameter
- #0000 (super extra fine) steel wool,- any good hardware store should carry this.
- Circle and oval templates, Amazon: https://www.amazon.com/Hestyia-Template-Templates-Measuring-Building/dp/B07CJ4GHY4/ref=sr_1_6?crd=25XGKCI5X9GCI&dchild=1&keywords=circle+templates&qid=1607007098&sprefix=circle+templates%2Caps%2C226&sr=8-6
- saw blades, numbers 4/0, 2/0, 1, 7 (at least one dozen of each size): <https://www.riogrande.com/product/laser-gold-saw-blades-pkg-12/110313gp>
- Card stock, or thick paper for making patterns
- scissors
- sharpie style markers with fine and wide tip
- a regular ruler: https://www.amazon.com/Westcott-Stainless-Steel-Office-Ruler/dp/B00094A48A/ref=sr_1_7?dchild=1&keywords=metal+ruler&qid=1607007240&sr=8-7
- 1 ex-acto knives with blade: https://www.amazon.com/X-Acto-XZ3601-X-ACTO-Knife-Safety/dp/B005KRSWM6/ref=sr_1_5?crd=3E30MH4KFZF5Y&dchild=1&keywords=exacto+knife&qid=1607007287&sprefix=exacto%2Caps%2C244&sr=8-5

- a riveting hammer. A wonderful handmade version of these are available on the instructors Etsy shop: <https://www.etsy.com/shop/HandToolSanMiguel> While supplies last, or you can also purchase them from Amazon: https://www.amazon.com/Riveting-Hammer-Square-Ounces-HAM-202-00/dp/B0058EDPYG/ref=sr_1_6?dchild=1&keywords=riveting+hammer&qid=1607007352&sr=8-6
- dapping punches. RIO, part number: 112929
- 20gauge (.75mm) 12x6" copper sheet RIO, part number: 132120
- 1 spool, 14gauge (1.6mm) copper wire. RIO, part number: 132314 OR you can go to your local hardware store and ask for solid copper wire, 14g and just buy 2ft. Then you will need to strip the plastic sheathing off the outside to be able to use it correctly.
- flush cut snips. RIO, part number: 111717
- A variety of different shapes and kinds of jewelers pliers
- 1 Diamond Core drill (3mm). RIO, part number: 349003
- 1 Diamond separation disc. RIO, part number: 346581
- 3M Diamond Files: https://www.amazon.com/3M-6210J-Diamond-Abrasive-Hand/dp/B0006N7QHQ/ref=sr_1_8?dchild=1&keywords=3M+Diamond+Files&qid=1607008904&sr=8-8
- 1 Mother of pearl shell per student:
- Option #1: <https://www.shopwomanshopsworld.com/products/pink-heelsplitter-shell-mississippi-river-shell-pink-pearlescent-nacre-seashell-vintage-craft-supply-smudge-kit-shell-natural-dish>
- Option #2: http://www.matoska.com/cgibin/gencat.cgi?AC=gencat&PC=12&ST=0&RS=NULL&S1S2=59%2CNULL&src=GOOGLE&gclid=CjwKCAjwYXmBRAOEiwAYsyI3B5h2yww-3PyqmZbRUZBbbOENuDc0VnSapXmuWPNSxCb6aFOw9kGehoCiM4QAvD_BwE
- 1 piece (one half) of Coconut shell per student: https://www.amazon.com/Century-Novelty-AX-AY-ABHI-10611-Natural-Coconut/dp/B0032TG0BO/ref=sr_1_2?keywords=coconut+shell&qid=1556381912&s=gateway&sr=8-2
- one or 2 sheets of Sand paper of each of the following grits: 80, 220, 400 grits
- double ended wax file, RIO part number: 114862

Optional Materials that could be very useful should students decide to further explore more on their own after the the class:

- 20gauge (.75mm) silver sheet 3" x 1.5" (**optional**) RIO, part number: 100458
- 14gauge (1.6mm) silver wire (1 foot)(**optional**) RIO, part number: 100314
- Medium solder (one foot) RIO, part number: 107710
- Handy Flux. RIO, part number: 504084
- 3rd hand for soldering. RIO, part number: 502066
- 1 paint brush about 1/2 wide with soft bristles
- Liver of sulphur in any presentation (*Optional*) RIO, part number: 331030
- soft bristle brass brushes for applying Liver of sulphur (*Optional*) RIO, part number: 113172