



Beginning Micro Torch Soldering

Instructor Name: Suzy Hunt Gardner

Instructor Email: isoozyq@comcast.net

Safety first, please wear closed toe shoes, no loose long sleeves, bring eye protection (your regular eyeglasses are fine), and all long hair must be worn back. Be prepared to get a little dirty!

The tools and supplies listed below are just suggestions; if you already have something similar, please don't feel you need to purchase new. The items in red you MUST have on the first day of class. The items in black below are the wonderful to have. I have some of these items to share, but not enough for the whole class, so please bring them if you have them. Cheaper is always better when you're starting out!

\$20 materials fee due to instructor on the first day of class. This will cover the silver patterned wire for the ring we will make as well as pickle, polishing pads, etc. Don't freak out at the supply cost! Hopefully you have already started your jewelry journey and have many of the items, or similar items! Any of these items that can be purchased from Rio Grande Jewelry Supply, I will be sending out a discount code a week prior to class so you can purchase things at my rate.

SUPPLIES YOU HAVE TO HAVE THE FIRST DAY OF CLASS

Micro Butane Torch - https://a.co/d/7M4wWCB	\$31.99
Solder Pic - https://a.co/d/4PzU20R	\$8.95
Butane for torch - https://a.co/d/gD3XjGE	\$4.95
Charcoal solder Block, HARD (5 ½" W x 2 ¾" D x 1"H) - https://www.riogrande.com/product/long-life-hard-charcoal-blocks/502025GP/	\$12.10
Flux, Handy Flux Paste for Soldering and Annealing, 7oz - https://www.riogrande.com/product/handy-flux-for-soldering-and-annealing/504086GP	\$6.95
Silver Wire Solder, Easy, & Medium & Hard 20 gauge — Rio Grande: Easy Solder Item #101100, Medium Solder item #101703, Hard Solder item #101704 . At least 1 foot of each - https://www.riogrande.com/product/silver-wire-solder-20-ga/101100GP/?code=101705	\$6
Sterling Silver sheet, 20 gauge is best, 1" x 6" strip – We will be making a small pendant, so scraps will work. If you need to purchase some here's a link from Rio Grande Jewelry Supply - https://www.riogrande.com/product/sterling-silver-6-sheet-20-ga.-dead-soft-brushed-finish/100120GP	\$35
Sterling Silver Wire 22 ga 1 foot - https://www.riogrande.com/product/sterling-silver-round-wire-dead-soft/100304GP	\$1
12"x12" Ceramic Tile – this will be the fireproof base for your charcoal block. Hopefully you have something like this around or can find one from a tile project. Otherwise they are about \$1 each at Lowe's or Home Depot	\$1



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Tuna Can or small ceramic dish – for our “quench” bowl. No glass, unless it’s Pyrex, the thermal shock might shatter the glass	\$0
Jewelry Making Pliers , both round nose and straight nose- My favorites are Xuron round nose and flat nose if possible. You can find them at Amazon or Hobby Lobby	\$15
Jewelry Wire Cutters – again my favorite are Xuron Brand for cutting silver wire, Hobby Lobby or Amazon	\$15
Hardware Wire Cutters - from your toolbox to cut the solder wire (don’t want use your good jewelry cutters for that)	\$0
Fine Tweezers – These can be out of your medicine chest, for handling tiny bits of metal. Although, I really like this set https://a.co/d/0jFazum	\$0

Total estimated cost \$137.94

Tools and supplies that would be helpful if you brought to class (I have some of these we can share, but not enough for everyone):

- **Chasing Hammer Jewelry Hammer** – Get one that is NOT Flat Faced. Beadsmith a good one. Hobby Lobby or Amazon - <https://a.co/d/5dOfSza>
- **Bench Block** if you have one, I will have one we can share - <https://a.co/d/gg10vZl>
- **Hardware, regular old boring Hammer** – for flattening your solder wire (don’t want to mess up your nice jewelry hammer). Hopefully found in the junk drawer, or your toolbox
- **Something to cut silver sheet with. These are my favorites - Fiskars Micro-Tip Pruning Snips you will LOVE these!** - <https://a.co/d/1rQuclR> and/or **Claus titanium Scissors** <https://a.co/d/5Plxv7G>
- **Ring Mandrel** if you have one, I will bring some to share too
- **Jewelry Files** , 2 “strengths” – “2nd Cut” – Harshes File we will use (Cut 2) and “Smooth” Cut (Cut 4). Amazon, Rio Grande. You can spend a lot on these, the cheap \$8 ones from Amazon are fine. I have "Grobet" brand, there are several other brands on the web I just haven't used them & don't know how good they are. I like the half round because they also fit/work inside rings. Double use. – I will have some to share, but please feel free to bring what you have

Please email the instructor with any questions regarding supplies.

In case you are unable to attend class, consider purchasing supplies that are returnable.