

Essential Tools for Metal Jewelry Student

This outlines the essential tools for the beginner metal jewelry student and are Hattie's most commonly used in her classes. It does not include lathe polishing and soldering equipment as such techniques require experience and proper training by an instructor. The following items may be purchased at riogrande.com Please ask about our student discount!

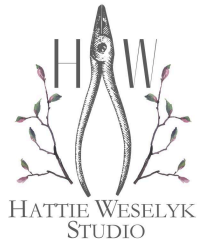
*Items with a * are not essential but very useful and nice to have.*

Bench Tools	Item #
Planishing Hammer *	112402
4 oz Ball Peen Hammer- Basic	119333
Chasing Hammer	112225
Cross Peen/Riveting Hammer*	112226
Rawhide Mallet, weighted	112204
Chain Nose Pliers	111911
Round Nose Pliers	111820
Wire Cutters, flush cut	Local Hardware
Hand file (1) half round profile to start- You will use both sides	114931
File Set for Silver Work*	114854
Needle File Set, Basic	114556
Steel Bench Block*	115315
Wood Bench Pin & Anvil	110014
Jewelers Sawframe & Blades	110112
Ring Clamp	113105
Measuring- Calipers	115189

Metric Steel 6" Ruler (millimeters)	Local hardware
Center Punch/Awl	118117
Metal Shears/Snips	111232
Steel Ring Mandrel	112322
Bracelet Mandrel	112383
Disc Cutter & Brass Mallet*	112509, 112330
Dapping Block & Punch Set*	112930
Sandpaper in assorted grits 220, 400, 600, 800 (make own sanding sticks)	Local hardware
"Green Sandpaper" 3M 30 micron finishing film	Amazon
Rock Tumbler for Polishing w stainless steel mixed shot	202209
Flexshaft Motor with No. 30 handpiece*	117095
Flexshaft Motor Stand *	117261

****Pre Assembled Kits are also available for your convenience. Please visit riogrande.com to explore options.***

The list of tools goes on and on and on. The above list of tools you will use often and you may never need to expand, allowing you to create TONS of pieces for many years. Welcome to the exciting world of Metal Jewelry!



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Soldering Set Up

Setting up a home studio is exciting. Work near a window or use an exhaust hood for ventilation. If needed, solder on a sheet pan at your kitchen stove.

The tools below are all you need to start. If the cost is too high, join our Open Jewelry Studios on Saturday mornings to use our tools and materials. The recommended torches differ from the studio's acetylene torches, which are unsafe for home use due to their instability. For reference, I use the Smith Acetylene Air Torch with regulator and gas from Keen Gas Supply in Glen Mills, PA.

Smith Little Torch for Disposable Tanks <i>This includes 2 regulators which you need for each propane and oxygen bottle</i>	#500090
Disposable Propane Tank	Local Hardware
Disposable Oxygen Tank	Local Hardware
Butane Torch & Butane Fuel Canister- Benzomatic Brand	Local Hardware
<i>Crock Pot (black interior is easier to see silver)</i>	Amazon
<i>Sparex #2 or Rio Pickle</i>	Amazon
<i>Third Hands</i>	#502070
<i>Solder Pick (I prefer tungsten nc nothing sticks to it)</i>	#503021
<i>Copper Tongs</i>	#501017
<i>Cross Locking Soldering Tweezers</i>	#115074
<i>Solder Tweezers</i>	#115221

<i>Charcoal Block (Hard) soft breaks apart</i>	#502025
<i>Skamolex Solder Block</i>	#502040
<i>Borax Cone & Ceramic Dish or small plant saucer</i>	#115139
<i>Alternative Fluxes: Handy Flux Paste and MY-T-Flux (liquid)</i> <i>*Borax and Handy Flux are great for all metals be they dont burn off as quickly. Liquid flux is good for tiny jump rings and can be used in place of paste but not good on brass and copper. If you have to get just one, then get borax cone.</i>	#504086 #504006
<i>water/quench dish</i>	<i>I use old glass pyrex dishes</i>
<i>Silver Solder Sheet in Hard, Med & Easy</i> <i>Order 1x2" sheet of each then cut with shears into small pieces</i>	#101702, #101701 & #101200