

## TOOLS

### First class

Jewelers saw frame (adjustable)  
Saw blades (2/0)  
Saw glade or burr lubricant solid tube form ie Rio Grande has Burr Life  
center punch Fine pointed  
drills a variety or for fine work 68 or above will work  
small hand twist drill  
set of needle files (6 is good 12 is better, in cut #2) later you will get other cuts and larger files  
ring clamp

### Second class

rotating soldering board  
12x12 solderite hard solder board  
paste flux  
silver solder in several forms  
    sheet to be made into chips in hard, medium, and easy small amounts to learn with  
    wire solder in hard, medium, and easy  
    OPT. Paste solder

I will furnish copper solder for the class

tripod soldering holder with both heavy and fine mesh screens  
OPT. Large round rotating soldering pan with lump soldering rock

Butane torch Lenk 500 LPT is highly recommended Sears carries them

Soldering pick  
all purpose jewelers tweezers to be used in soldering  
copper tongs  
small little crockette crockpot You can get this at WalMart  
cheap face mask you can get at home depot to keep dust out of your lungs. This for fumes from solder.  
Safety glasses unless you already wear glasses. I use reading glasses at 2x instead of an optivisor

Sheet metal in 22 gauge I suggest copper to practice with and silver for what you want to keep.

In this class we will be learning how to various types of soldering. During it you will learn to solder joints for boxes or larger projects. The methods of chip and wire soldering will be shown. Paste soldering will be demonstrated, but it is up to you if you want to use this form. It is expensive and other methods work as well. Goal will be to make a ring during this session. You will also be able to incorporate a pieced piece you learned in the first session. I know once you try pick soldering you will wonder how you ever got by without it.

### Class Three

silver bezel strip in 1/4" width I would advise getting a couple of feet.

Sheet silver in 24 gauge size wider than the stone you want to set. I would get enough for how many ever bezel set stones you want to work with.

At least 6 inches of 16 gauge round wire.

Stones to set. I recommend ones that are not too angular for the first attempts. Round oval and the like are easiest to learn with

6 paint sticks from a place like Home Depot  
full sheets of sand paper (Ace Hardware or Home Depot) grits, 120, 200, 400, 800, 1200, and at least 1800. I personally made more with even higher grits up to 3000. You would need a corresponding number of paint sticks.

Fine point scribe (jewelers type)  
good burnisher

bezel pusher In an advanced class if people are willing to purchase a magnablock I can show how to hammer set even the most delicate stones. It is better and faster, but the magnablock is around \$500. So I teach the good standard method and let people decide if they want the more expensive teaching.

2 Metal steel bench blocks We might be able to get these made for us cheaper. Or a good jewelers anvil and one bench block.

### Class Four

Flex Shaft or Dremel tool. I prefer the Flex Shaft over the Dremel it gives more speed and torque thus more versatile.

a large package of mandrels to fit your machine.

Small mini screw driver  
green polishing compound like ZAM  
Rouge cloth

Large full sized swiss cut #2 flat hand file  
Large full sized swiss cut #2 half round file (ring file is good)  
2 good handles to put the above files into  
Cotton string

I will during the first four classes also show other tools. I leave it up to you if you want to purchase those tools. As a group we do have the ability to buy in bulk. I like bulk orders since it is much cheaper. Especially when you buy silver. I will go over all of this in the first class.