

Tools and materials

Making and Using Prong Settings

\$75 Kit Recommended but not necessary

Unless you already own most of the items on the list, the kit is highly recommended, as you cannot order the prepped items reflected below through other vendors. Kit includes the following items:

- 1 x 6"x4" Kaiser Lee board - required for course objectives
- 2ft x 16g straightened silver wire - cut to 8" lengths
- 2ft x 18g straightened silver wire - cut to 8" lengths
- 2ft x 20g straightened silver wire - cut to 8" lengths
- 3ft x easy solder - drawn to 0.5mm - cut to 3" lengths
- 3ft x hard solder - drawn to 0.5mm - cut to 3" lengths
- 1 x small jar of high temp black flux
- 1 x shipping

The following supplies will be used for course demonstrations and objectives. A suggested item and/or vendor has been provided below for reference. Click the vendor name (in red) to be redirected to a page where you can find the item. The quantities needed for each item are listed first. If ordering, please **be aware that some items may come in larger quantities than needed for this class**. We recommend **not** opening an item's packaging until the day of the workshop. Student participation during or in-between class sessions is strongly encouraged but not required - observers are welcome.

Torch setup (dual-gas torch is needed for course objectives):

- 1 x fireproof torch area - steel baking sheet, tiles, etc. (Amazon)
- 1 x torch - oxy/acetylene or oxy/propane ([Rio Grande](#) or [Rio Grande](#))
- 1 x soldering tweezers ([Rio Grande](#))
- 1 x soldering pick ([Rio Grande](#))
- 1 x cross lock tweezers with wooden handle ([Rio Grande](#))
- 1 x copper tongs - for pickle ([Rio Grande](#))
- 1 x pickle - for non-ferrous metals ([Rio Grande](#))
- 1 x crock pot or tempered glass container with lid ([Amazon](#))

- 1 x tempered glass container or sink - for quenching and rinsing
- 1 x small brush with natural bristles ([Michaels](#))

Hand tools:

- 1 x chain nose pliers ([Rio Grande](#))
- 1 x round nose pliers ([Rio Grande](#))
- 1 x snips / flush cutters ([Rio Grande](#))
- 1 x rotary tool - flex shaft, micro motor, etc. ([Rio Grande](#))
- 1 x set of needle files - #2 cut ([Rio Grande](#))
- 1 x 1/16" screw mandrel - 3/32" shank ([Rio Grande](#))
- 1 x pack polishing wheels - flat edge - black ([Rio Grande](#))
- 1 x pack polishing wheels - knife edge - black ([Rio Grande](#))
- 1 x pack pumice wheels - flat edge - green ([Rio Grande](#))
- 1 x variety of round mandrels - **optional** ([Harbor Freight](#))
- 1 x millimeter ruler ([Rio Grande](#))
- 1 x dividers - **optional** ([Rio Grande](#) or [Rio Grande](#))
- 1 x rawhide / plastic mallet ([Rio Grande](#))
- 1 x steel block / steel surface ([Rio Grande](#))

Other/miscellaneous items (Joanna will answer stone questions in class and welcomes you to bring part of your collections, but listed below is a good standard size range.):

- stones - any shape - 4mm to 10mm work well (others can be discussed)
- hard work surface
- fan and open window - or ventilation system
- safety glasses
- fine Sharpie
- rags/towels