

Honolulu Museum of Art School

Supply List

Puzzle Ring Workshop

Instructor: Donna Shimazu

METALS:

Silver: 12 inches of 12 gauge round wire. (Note: You might want to bring additional wire if you want to make more than one ring.

Silver Solder: Hard

TOOLS & SUPPLIES:

Saw Frame and Blades: 2/0 for general cutting and 4/0 or smaller for sawing apart ring shanks

Ring Clamp

Ring Mandrel

Hammers: Planishing

May want to bring cross peen, ball peen or other hammers to use for directional forging. NOTE: We are working in a relatively small scale so large forming hammers won't work.

Pliers: Bring forming pliers like combo round/flat, combo half round/flat, round nose, chain nose, parallel. etc.

Soldering Tools: Tweezers, solder pick, WhiteOut or some type of solder flow retardant, clean soldering block, binding wire (stainless is very nice).

Prefinishing Tools & Supplies: Bring whatever you have. The following are useful.

Burs: Diamond burs and other burs for cleaning and shaping.

Mounted Abrasives: Medium to Fine mounted stones to help refine curves and shape of rings

Sanding Discs & Snap-on Mandrels

Sanding Sticks: 280 or 320, 400, 600

Split Straight and Tapered Mandrels and Sandpaper (280 or 320, 400, 600)

Mounted Silicone Abrasives

3M Radial Brushes: 3/4" red (220 grit) or blue (400 grit)

Files: Flat or barrette 2 cut hand file

Needle and/or escapement files - round, crossing, half round are useful for refining curves

Screw-top mandrels to mount wheel brushes and abrasives for use in flex shaft hand piece

1/8" screws in some would be good for mounting Supra MK Soft wheel brushes (Rio Grande 333-110)

1/16" screws in others good for 3M radial brush

Polishing Tools & Supplies:

MK SOFT wheel brushes (3/4" or 1" diameter are fine)

Soft cotton string for trumming with rouge

3M Radial Brushes: 3/4" light green (polishing)

Optivisor

Safety glasses

Sharpie Indelible Pen