

## Argentium and Gold Granulation

### Tools and Supplies

Numbers refer to item numbers in Rio Grande catalog. These are provided to help identify the items listed. They are available through all jewelry suppliers and need not be purchased through Rio.

Bench pin and C clamp

Hard charcoal block, new and unused 502-027

Metal tray for charcoal block, Otto Frei #154-150B

- not available from Rio Grande

- we can make it in class from 22ga copper sheet if you bring some

Soldering tweezers

Small bowl for quenching

Small container for flux

Flux brush

Dividers 116-328

Bench block, two if possible

Sawframe and blades, 4/0, 5/0, 6/0

Ring mandrel and/or bezel mandrels

Scribe

6" metal ruler and/or calipers

Assorted needle files (flat, half round, barrette, etc.) 114-765

Pliers (high quality side cutters for making granules, flat, chain nose, half round, any other favorites)

Fine brass brush 113-172

Fine tweezers 115-016

10x loupe 113-305

Optivisor or other wearable magnification (2x)

Sharp scissors (Joyce Chens) or metal shears

Leather or plastic hammer

Assorted sandpapers, sanding sticks

Small scraps of leather or heavy fabric for minor dapping

Small containers for holding granules

Sharpie

Paper and pencil for sketching

### Optional tools:

Flex shaft (only a few available in our room, please bring if possible)

Twist drills 2-5mm to use as small mandrels

Snap-on sanding discs, 3/4" 337-226

Snap-on mandrel 333-127

3M radial discs

80 grit yellow 332-581

220 grit red 332-582

400 grit blue 332-583

Screw-top mandrel 335-105, at least one for each color 3M disc

Spatula 119-303

Drawplate, pliers for pulling the wire

Dapping block and punches

Sandbag

Pin vise

Circle templates, oval templates (available at Michael's, AC Moore)

Sterling ear wires or butterfly backs if you think you might want to make earrings out of your sample pieces

**Additional items needed if you are working all in gold:**

Ultralite kiln 703-016

2" copper disc or 22ga copper sheet to make small bowl for plating gold granules

Glass eyedropper

Metal:

Argentium sheet, 24ga, minimum 2"x6"

Argentium wire, 20ga, 22g minimum 10" each

22kt wire, 20ga, 22ga minimum 6" each

Easy solder, Argentium, 18kt

For those working in all gold, 26 or 28ga sheet, 1.25x1.25" plus additional 20ga wire

Tevel from Allcraft will have metal and tools available on Sunday. We will be the first group in his room, so you can fill in whatever you don't have at the start of the week.