

## MATERIALS CHECKLIST FOR STUDENTS

# Transforming 2D Imagery Into 3D Jewelry Forms

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### COURSE DESCRIPTION:

In this fun and experimental class, we will explore the power of pictorial imagery and surface design, as well as the characteristics of a variety of materials as they relate to applying imagery to surfaces for jewelry and small object making. We will experiment with traditional fine arts media as well as non-traditional media on metal, and we'll practice some inventive joining techniques. Problem solving sessions will focus on creative solutions to the technical challenges of mixed media fabrication.

Enhance your workshop experience by bringing to class as many of the following items as possible:

### Essential Materials and Supplies:

- Jeweler's Saw Blades; sizes: 3/0, 2/0, 1/0 and 2
- High Speed Drill Bits - #s: 42, 50, 52, 53, 55, 60, 62
- Silver Solder - hard, medium, and easy
- Fine or Medium-tipped Sharpie Marker
- Masking Tape (painters' type preferred)
- A Selection of Silicon Carbide Sandpaper (usually black; type used for metal) e.g.: 100, 240, 320, 400, 600 grits. Or a Selection of Sanding Sticks in various grits
- Personal Safety Items - Disposable Dust Mask, Disposable Latex or Vinyl Gloves, Eye Protection
- Old Terry Cloth Towel or Shop Rags
- Round Toothpicks for mixing epoxy or resins
- 5 Min., Clear, 2-Part Epoxy (in separate tubes, not syringe dispenser)
- Cyanoacrylate Adhesive (superglue; gel type)
- Sculpey Premo Polymer Clay (this brand is best; white, pearl or ivory; one 2 oz. package is plenty)
- 18 Ga. Sheet Copper and/or Brass\*\* – at least one piece about 2" x 3" or 3" X 4" each
- 20 & 22 Ga. Sheet Copper (also Brass or Nickle Silver if you wish);\*\* at least 6 sq. inches of each gauge
- 11 or 12 ga Seamless Round Tubing - copper and/or silver (for tube rivets, at Least 6 In.)
- Round, Wire (copper, silver, or brass) in various gauges for riveting (I suggest 12, 14, 16 and 18 Gauge), at least 6" of each gauge

**Note\*\* Sheet metal should be flat, clean, and free of dents, gouges or deep scratches**

**Other Materials:** (Don't go out and spend a fortune, but if you have them, bring as many of the following items as possible.)

- Prismacolor Pencils - soft tip, fade-resistant type in a selection of your favorite colors
- Design Markers - a few in your favorite colors (permanent type)
- Solderable Jewelry Findings (pin backs, ear posts, etc.)
- Wire & Tubing in Different Shapes & Sizes, (square, rectangular, bezel, etc.)
- Miniature Nuts, Bolts, Screws, & Threaded Rod

**Hand Tools:**

Outfit a toolbox with your favorite hand tools. Try to include the following:

- Jeweler's Saw Frame
- Small (3 oz) Rivet Hammer
- Fine-Tipped Tweezers
- Needle Files
- 6" Hand Files – various shapes and cuts
- Two-Ended Wax File or Medium Bastard-cut File
- End Nippers
- Smooth-Jawed Jeweler's Pliers - round & flat nose
- Miniature Taps & Dies (if you have them - don't buy)
- Exacto Knife w/ #11 blade
- Small Metal Ruler
- Dividers
- Miniature Square
- Pin Vise
- Calipers – dial or digital style
- Scissors
- Small Sketch book
- Plastic Design Templates (ovals, circles, squares, etc.), and other design aids
- A Soft Paint Brush (e.g., #12 flat, natural, or synthetic bristle), in good condition, for applying sealers, etc.

**SUGGESTED SOURCE FOR:**

**Miniature Nuts and Bolts, Threaded Rod, Tap and Die Tools:**

**Reactive Metals Studio** is a great source for nice quality miniature nuts and bolts, including black anodized and gold-plated versions. They also sell the E-Z Tap and Die Tool set we will learn to use in class. See their catalog at: <http://reactivemetals.com>