

Making Beautiful, Layered, Sculptural Jewelry

Student Workshop Guide

This virtual workshop is intended to familiarize students with an understanding how to make layered sculptural jewelry designs that incorporate the use of mixed metals. Students will learn how to draw visual concepts/designs and then how to properly develop them into metal objects using the techniques of piercing, sawing, and cold connecting with riveting. Clever uses of texturing and altering metal surfaces will be explored. The workshop will also feature heat coloring and anodizing titanium and how to merge the metal in jewelry designs to add a dynamic effect. The techniques demonstrated throughout the workshop will provide a range of transferable skills that can be applied to other forms of jewelry making. Participants are encouraged to come with an imaginative, experimental approach to jewelry making.

Note: The items on the Material, Equipment and Tools List will be used and demonstrated throughout the workshop. In many situations these items below can be interchanged and substituted. If they are not owned or available it is optional to purchase. I suggest waiting to buy any of the following until after viewing the entire workshop.

Most items are available from: Rio Grande, www.riogrande.com, Dick Blick Art Supplies www.dickblick.com, Reactive Metals Studio www.reactivemetals.com, and Home Depot www.homedepot.com

Material, Equipment and Tool List

- 1-6"x6"- 22 Ga. titanium sheet. Rio Grande: Item #135-202
- 3"x3"-24 Ga. sterling silver sheet. Rio Grande: Item #100598
- 6"x1"-22Ga. sterling silver sheet. Rio Grande: Item #100812
- 2-6"x12"- 22 Ga. Copper sheet. Rio Grande: Item #132122
- 1' sterling silver Tubing ID .043" . Rio Grande: Item #100099
- 20' Coil 18 Ga titanium round wire. Rio Grande: Item #135501
- 5' 18 Ga sterling silver round wire. Rio Grande: Item #100348

3mm Sterling ring band. Rio Grande: 93033310/ (pick a size: 5,6,7,8,9 or 10)

Easy silver solder, 3" 20 ga wire. Rio Grande: Item #101100

1 pack sterling silver pin stems . Rio Grande: Item #693701125

1 pack sterling silver pin catches . Rio Grande: Item #630191

1 pack sterling silver pin joints. Rio Grande: Item #630192

Regular loop Titanium ear wires. <https://www.reactivemetals.com/findings>

4' sterling silver 1.9mm Snake Chain. Rio Grande: Item #632436B

6 packs of 2mm sterling silver End Caps. Rio Grande: Item #697057

1 pack of sterling silver 4mm jump rings. Rio Grande: Item #693404

Clasp sterling silver Small Toggle. Rio Grande: Item #639397

13.4mm sterling silver Alligator Clasp. Rio Grande: Item #630153

#61 Drill Bits, (High Speed Twist Drills) 10 per pack. Rio Grande: Item #349420

#60 Drill Bits, (High Speed Twist Drills). 10 per pack. Rio Grande: Item #349419

#58 Drill Bits, (High Speed Twist Drills). 10 Per pack. Rio Grande: Item #349417

1 Pack of 1.8mm cup burs. Rio Grande: Item #342928

Cup Bur Set. Rio Grande: Item #342626

Bag of 100 1mm sterling silver crimp beads hole size .044". Rio Grande: Item #693233

Bag of 100 2mm sterling silver crimp beads hole size .044". Rio Grande: Item #693394

2 dozen .02 saw blades "Laser Gold". Rio Grande: Item #110306

Scotch Transparent Tape 3/4". Dick Blick: Item #23066-1034

Graph Paper. Dick Blick: Item #10613-1105

Whiteout Correction Ink. Dick Blick: Item #21106-1003

Metal Ruler. Rio Grande: Item #116086

Drawing Templates/Stencils. Dick Blick: Item #55475-1045

Pencils. Dick Blick: Item #20305-1010

Colored Pencils. Dick Blick: Item #20512-1209

Compass. Dick Blick: Item #56006-1009

Mini Drill Press. Rio Grande: Item #330012

#47 Drill Bit. Home Depot: Model #GLBCOX647

Propane Torch or any Torch Set-Up. Home Depot Model #333084

Solder station set up

Polishing Cabinet. Rio Grande: Item #336130

Loose-Weave Coarse Muslin Buffing Wheel. Rio Grande: Item #330522

Rio Quick Finish Cutting Compound, 400 Grit. Rio Grande: #331144

Micro Anodizer. Rio Grande: Item #335250

Multi-Etch <https://www.multietch.com/>

Pyrex Beaker, 1,000ml. Rio Grande: Item No. 335044

Midas Liver of Sulfur. Rio Grande: #331033

Bead Blaster and Cabinet. Rio Grande: Item #336250

Aluminum Oxide Blasting Media. Rio Grande: Item #336165

Glass Beads Blasting Media. Rio Grande: Item #336092

Porter-Cable Air Compressor. Home Depot: Model #PCFP02003

Disc Cutter Set. Rio Grade: Item #112597

Palm Sander. Home Depot: Model #6301

Palm Sander Hook and Look 80 grit sandpaper. Home Depot: Model #6301SP80

Any Household or Office Photo Copy Machine with Copy Paper

Tack Hammer. Home Depot: Model #MRWT

Mini Anvil. Rio Grande: Item #112498

6" Jewelers Saw Frame. Rio Grande: Item #110007

Bench Pin. Rio Grande: Item #110013

Third Hand. Rio Grande: Item #502066

Tubing Cutter. Rio Grande: Item #113839

Gardon Vallorbe Flat Hand File, Cut 0: Rio Grande #114924

Gardon Vallorbe Half Round Hand File, Cut 0: Rio Grande #114934

Gardon Vallorbe Barrette Needle File, Cut 0. Rio Grande: #114942

Gardon Vallorbe Half-Round Needle File, Cut 0. Rio Grande: #114945

Needle Nose Pliers. Rio Grande: Item #111900

Crimping Pliers. Rio Grande: Item #111040

Flush Cutter. Rio Grande Item #111155

Automatic Center Punch. Rio Grande: Item #118111

Scriber. Rio Grande: Item #118455

Acetone. Home Depot Model #QAC18

Spray Adhesive (3M Supper 77). Home Depot: Model #77DSC

60 Grit Sandpaper. Home Depot: Model #26060PGP-4

Sanding Pads. Home Depot: Model #7447

X-Aacto Knife/W #11 Blade. Dick Blick: Item #57450-0051

1.88" shipping Tape. Dick Blick: Item #23055-1000