**Douglas Student Tools and Materials List**

**Student Tool List**

Mini Anvil or Steel Bench Block

Tack Hammer (find at a hardware store) or Riveting Hammer if you have one

Jewelers Saw Frame

2 dozen #2/0 saw blades “Lazer Gold.” Rio Grande: Item #110306

Drafting and Drawing instruments

Mini Drill Press – There will be several of these in the studio for students to share. Please bring one if you want a drill press for your own use.

Assorted Files

Scriber

Needle Nose Pliers

Flush Cutter for use with Silver

If you are going to work in titanium bring a stronger flush cutter for titanium wire.

Center Punch and Hammer or Automatic Center Punch

Bench Pin – There are bench pins available at Wildacres but there may not be enough for all students. Please bring one if you can.

In addition, bring along any favorite tools, extra materials or findings that you might like to work with.

**Tools and Equipment that Instructor will bring for Student Use**

Electric Palm Sander with 80 Grit Sanding Sheets

Cup Burs

Drill Bits

Third Hands

Mini Anvil

Tubing Cutter

Acetone

Spray Adhesive (3M Super 77)

Photocopy Machine

¾” Scotch Tape

Buffing Wheels

Sandpaper (80 and a variety of grits)

Punch Sets

Anodizing Equipment

Multi Etch

Drafting and Drawing Instruments

**Student Materials List**

What you will need for this class depends on which materials you use to build your bracelet components. You may choose between sterling silver and titanium.

**All students will need the items on this first list:**

1’ Half Round Wire, sterling silver, 12ga. Rio Grande: Item #100412

6” Round Wire, sterling silver, 22ga. Rio Grande: Item #100352

2’ Round Wire, sterling silver, 16 ga. Rio Grande: Item #100346

1’ Heavy Wall Tubing, sterling silver, OD .162” Rio Grande: #100426

1’ Heavy Wall Tubing, sterling silver, OD .101” Rio Grande: #100451

1’ sterling silver tubing ID .043” Rio Grande: Item #100099

3”x3” 22 Ga. sterling silver sheet. Rio Grande: Item #100597

1 pack 18 GA 4.5mm sterling silver jump rings. Rio Grande: Item #693404

1 pack 18 GA 3.2mm sterling silver jump rings. Rio Grande: Item #630180

1 pack 18 GA 8mm sterling silver jump rings. Rio Grande: Item #926759

1 pack Figure 8 sterling silver Links. Rio Grande: Item # 930158

Swivel clasp sterling silver. Rio Grande: Item #694953 If you prefer you may substitute another clasp.

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

Easy, medium and hard silver solder.

**Students who choose to make their bracelet components in sterling silver will also need these items:**

5’ Round Wire, sterling silver, 18ga. Rio Grande: Item # 100348

12”x2” 20 Ga. sterling silver sheet. Rio Grande: Item #100826

**Students who choose to make their bracelet components in titanium will also need these items:**

5’ of 18 Ga. titanium round wire

12” x 2” sheet of 22 ga. Titanium

The instructor will bring titanium sheet and wire for students to purchase cheaper than they could get it from Rio Grande or Reactive Metals. You are welcome to bring your own if you have it.

Note: Some of the items above can be obtained through other sources. The included sources and item numbers are provided to simplify ordering.

**Group Order**

Gail Thayer will be doing a Rio Grande group order for students in Doug’s class. She gets a Rio discount and free shipping and there will be quantity discounts if enough students participate.

You can contact her at gailthayer@hotmail.com if you wish to participate. She will also send out an email in August asking students if they are interested. She will let you know the amount you owe, and you can pay her by check when you pick up your materials at Wildacres.