

Pocosin Arts School of Fine Craft

Materials and Equipment

Instructor Name: Jess Tolbert

Please consider carefully all the tools and materials you will need to successfully complete your workshop. Provide as much detail as possible. Please email zoom@pocosinarts.org with any questions.

Providing the supplier name and exact item number assure that you purchase exactly what you need.

Specify Quantity per Student	Item/Tool/ Material	Supplier/ Website/ & Item Number	Select One of the Following:	
			Instructor will send in kit	Student will order
1	Smith Little Torch, oxygen/acetylene – 3 different links provided depending on current set up. Note that first link is the complete set up; tanks are shipped empty, you have to get tanks filled at your local gas supplier	<p>Rio Grande, Item #500030 (complete set up): https://www.riogrande.com/product/smith-complete-little-torch-acetylene-and-oxygen-system/500030</p> <p>Rio Grande, Item #500029 (if you already have oxy/acetylene tanks): https://www.riogrande.com/product/smith-little-torch-acetylene-and-oxygen-set/500029</p> <p>Rio Grande, Item #500057 (if you already have oxy/acetylene tanks, and regulators with b fittings): https://www.riogrande.com/product/basic-smith-little-torch-all-fuels-system-with-five-tips/500057</p>		X
*optional	Smith Little Torch Holder *optional, but super handy	Rio Grande, Item #500018 https://www.riogrande.com/product/smith-little-torch-holder/500018		X

1	Low-Carbon Steel Wire, 0.048" Diameter, 165 Feet Long, 1 lb. Spool	McMaster Carr, Item #8870K32 https://www.mcmaster.com/8870K32/		X
1	Low-Carbon Steel Wire, 0.029" Diameter, 455 Feet Long, 1 lb. Spool	McMaster Carr, Item #8870K35 https://www.mcmaster.com/8870K35/		X
1	Low-Carbon Steel Wire, 0.080" Diameter, 58 Feet Long, 1 lb. Spool	McMaster Carr, Item #8870K49 https://www.mcmaster.com/8870K49/		X
1	14-gauge black annealed wire, various lengths; also called tie wire and can be sold as 16 gauge	<p>Various locations – hardware, outdoor stores: https://www.lowes.com/pd/3-35-lb-16-Gauge-Tie-Wire/4008203?cm_mmc=shp- -c- -prd- -bdm- -ggl- -LIA_BDM_210_Concrete-Block- -4008203- -0- -0- -0&ds_rl=1286981&gclid=Cj0KQCQjw8p2MBhCiARIsADDUFVVGZdrA5FcTfdSRCyPk6eFij_BdqSxhKDjn6oTox2aVd05REMwZQa8waAnR-EALw_wcB&gclsrc=aw.ds</p> <p>https://www.acehardware.com/departments/building-supplies/walls-floors-and-ceiling/joist-hangers/5614128?x429=true&gclid=Cj0KQCQjw8p2MBhCiARIsADDUFVVGUpto1BbvBjt2yw3mI2n3EuAy4cHdA0vISVZm1nSncRYxQ5jDtfbgaApOVEALw_wcB&gclsrc=aw.ds</p> <p>https://www.cabelas.com/shop/en/minnesota-trapline-14-gauge-trappers-wire?ds_e=GOOGLE&ds_c=Shop%7CCAB%7CTopPerformers%7CHunting&gclid=Cj0KQCQjw8p2MBhCiARIsADDUFVEGf05MeTV4fFCkECNlv3R--VR7KTXLfaeOKKEkTTFfacXSKuEAuGkaAms1EALw_wcB&gclsrc=aw.ds</p>		X
1	General Purpose Low-Carbon Steel, Sheet, 0.030" Thick, 12" X 24"	McMaster Carr, Item # 6544K13 https://www.mcmaster.com/6544k13/		X
1	Fine point tweezers; if you already have a pair that will work! Just make sure the tip is clean	Rio Grande, Item #115013 https://www.riogrande.com/product/blue-heron-stainless-steel-precision-1-pattern-tweezers/115013		X

1 dozen	2/0 jeweler's saw blades; thinner can also work if that is what you have	<p>Rio Grande, Item #110306 https://www.riogrande.com/product/laser-gold-2-0-saw-blade-pkg-12/110306</p> <p>Rio Grande, Item #110192 https://www.riogrande.com/product/jewelers-2-0-saw-blade/110192</p>		X
1	Drill bits for piercing, listed #60, but other sizes can work if you already have them	<p>Rio Grande, Item #349419 https://www.riogrande.com/product/high-speed-steel-twist-drill-60-1-02mm/349419</p>		X
1	Set of files to be used JUST for steel. I like to have a set of needle files, and a large 1/2 round	<p>Rio Grande, Item #114258 https://www.riogrande.com/product/needle-file-set-cut-0-set-of-12/114258</p> <p>1/2 Round 8" File - Lowes #4307519 https://www.lowes.com/pd/Kobalt-8-in-Half-Round-File/4307519</p>		X
1*	Heatless Carbide Wheel *optional but can be nice for quick metal removal - use with flexible shaft; 2 nd link for mandrel attachment	<p>Rio Grande, Item #332192 https://www.riogrande.com/product/Heatless-Silicon-Carbide-Wheel-1-x-18/332192</p> <p>Rio Grande, Item #333106 https://www.riogrande.com/product/nickel-plated-1-16-screw-mandrel-303-1-8-shank/333106</p>		X
1	Birchwood Casey Super Blue Liquid Gun Blue, 3 oz.	<p>Item #13425 https://www.birchwoodcasey.com/products/super-blue-liquid-gun-blue-3-oz.html</p>		X

1	Scotch brite/green scrub pads	Hardware store, grocery, etc.		X
1	Pack of #0000 steel wool	Hardware store– Home Depot, Lowe’s, etc.		X
1	Johnson’s Paste Wax	Hardware store – Home Depot, Lowe’s, etc.		X
1*	*Variety- Silicone Carbide wet/dry sandpaper, 220, 320, 400, 600 grits	Hardware store – Home Depot, Lowe’s, etc.		X
1	Wire Cutters for steel	Hardware store – Home Depot, Lowe’s, etc.		X
1	Plier set – for forming wire; if you already have a set, great! If not, I provided two links.	<p>Rio Grande, Item #111813 (\$, economic set) https://www.riogrande.com/product/stainless-steel-three-piece-pliers-set/111813</p> <p>Rio Grande, Item #111703 (\$\$\$, high quality) https://www.riogrande.com/product/swanstrom-pliers-set/111703</p>		X
1	Various dowel rods and/or steel mandrels for forming	<p>Dowel Rods found at Hardware stores – Home Depot, Lowe’s, etc.</p> <p>Steel Mandrels - https://www.harborfreight.com/28-piece-transfer-punch-set-3577.html</p>		X
1	Torch tip cleaner – can find at local hardware stores, welding/gas suppliers	<p>Lowes – https://www.lowes.com/pd/Lincoln-Electric-Tip-Cleaner/1001280970?cm_mmc=shp--c--prd--tol--ggl--LIA_TOL_217_Pro-Tools--1001280970--0--0--0&ds_rl=1286981&gclid=Cj0KCQiAsqOMBhDFARIsAFBTN3dcAXfwSLi3vQbbMn_XhJKFAy0iMODoVmmNLWThPKsdWpFY15gCIOwaAvTxEALw_wcB&gclsrc=aw.ds</p>		X

1	Honeycomb block *to be used on a fire safe soldering/welding area. I set mine on top of a pizza stone! Link below the honeycomb block >	Rio Grande, Item #502005 https://www.riogrande.com/product/ceramic-honeycomb-block/502005 Pizza stone – Amazon – https://www.amazon.com/Wondjiont-Ceramic-Pizza-Grilling-Square/dp/B07RL26ML1/ref=asc_df_B07RL26ML1/?tag=hyprod-20&linkCode=df0&hvadid=366329556867&hvpos=&hvnetw=g&hvrand=2671887337496322887&hvpone=&hvptwo=&hvqmt=&hvdev=c&hvdvcmdl=&hvlocint=&hvlocphy=9028683&hvtargid=pla-810853457466&psc=1&tag=&ref=&adgrpid=77768419098&hvpone=&hvptwo=&hvadid=366329556867&hvpos=&hvnetw=g&hvrand=2671887337496322887&hvqmt=&hvdev=c&hvdvcmdl=&hvlocint=&hvlocphy=9028683&hvtargid=pla-810853457466		X
1	Welding Safety Glasses, shade #5 – can find at your local welding/gas suppliers. A few links provided to the ones I have which are comfortable	RAJ Supply - https://www.rajsupply.com/ppe-safety/safety-glasses/pyramex-sb450sf-integra-safety-glasses-black-frame-5-0-ir-filter-lens.html Amazon - https://www.amazon.com/Pyramex-Safety-SBaf4wrSf-Parent-Integra-Eyewear/dp/B000NGALFK?th=1		X
1	Striker – can find at local hardware stores, welding/gas suppliers	Lowes - https://www.lowes.com/pd/Lincoln-Electric-1-Striker-with-5-Flints/999911237?cm_mmc=shp--c--prd--tol--ggl--LIA_TOL_217_Pro-Tools--999911237--0--0--0&ds_rl=1286981&gclid=Cj0KCQiAsqOMBhDFARIsAFBTN3f8ZKvsqEwaCpZUFoJYoNGGj0Q9XzNVfXBQjaGEmbTg7AqicBD1xf0aArRXEALw_wcB&gclsrc=aw.ds		X

1	<p>Ventilation – an open window with a fan can work, but here are two options for vent units. I have the Hakko system and love it!</p>	<p>Rio Grande, Item #500102 https://www.riogrande.com/product/hakko-fume-extraction-system-with-duct-kit/500102 Rio Grande, Item #500100 (filter) https://www.riogrande.com/product/hepa-and-carbon-filter-for-hakko-fume-extraction-system/500100</p> <p>OR, this economic option to get started: Hakko benchtop unit – Techni-tool https://www.techni-tool.com/product/821SO400-FA-400?gclid=Cj0KCQiAsqOMBhDEARIsAFBTN3cZgFyyg53vjvuQ7a2JrWnMyELXY0IHW8EdFRogy0FQ6oqT-i_xq1oaAmaXEALw_wcB</p>		x
1	<p>A good light source!</p>	<p>Found at local suppliers – home goods, hardware, rio, ikea, etc.</p>		x