

# Pocosin Arts *School of Fine Craft*

## Materials and Equipment

Instructor Name:

Please consider carefully all the tools and materials you will need to successfully complete your workshop. Provide as much detail as possible (see example.) Please call Laurel Fulton at (720) 939-6961 with any questions.

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

Specify Quantity per Student/ Studio	Item/Tool/ Material	Supplier/ Website/ & Item Number	Select One of the Following:	
			Instructor will send	Student will order
		<b>The items in this section will specifically be used, in conjunction with the standard metal shop tools listed below, for in-class demonstrations</b>		
1 dozen per student	#6 saw blades	<a href="https://www.riogrande.com/product/herkules-white-label-6-saw-blade/110050">https://www.riogrande.com/product/herkules-white-label-6-saw-blade/110050</a>		√
1 pkg/student	TWIST DRILL HSS #59	<a href="https://www.riogrande.com/product/high-speed-steel-twist-drill-59-1-04mm/349418">https://www.riogrande.com/product/high-speed-steel-twist-drill-59-1-04mm/349418</a>		√
1 pkg/student	Elite separating discs, 1.5" diameter	<a href="https://www.riogrande.com/product/elite-aluminum-oxide-1-1-2-separating-disc/337219">https://www.riogrande.com/product/elite-aluminum-oxide-1-1-2-separating-disc/337219</a>		√

6" /student	18g sterling silver round wire	<a href="https://www.riogrande.com/product/sterling-silver-round-wire-18-ga-dead-soft/100318">https://www.riogrande.com/product/sterling-silver-round-wire-18-ga-dead-soft/100318</a>		√
1 pkg/student	6" x 12" 24g. copper sheet	<a href="https://www.riogrande.com/product/copper-6-x-12-sheet-24-ga-dead-soft/132124">https://www.riogrande.com/product/copper-6-x-12-sheet-24-ga-dead-soft/132124</a>		√
12" /student	16G SQUARE sterling silver wire	<a href="https://www.riogrande.com/product/sterling-silver-square-wire-16-ga-dead-soft/100516">https://www.riogrande.com/product/sterling-silver-square-wire-16-ga-dead-soft/100516</a>		√
6"	3mm x 1mm sterling silver rectangle wire	<a href="https://www.riogrande.com/product/Sterling-Silver-3-x-1mm-Rectangle-Wire-Dead-Soft/100531">https://www.riogrande.com/product/Sterling-Silver-3-x-1mm-Rectangle-Wire-Dead-Soft/100531</a>		√
8oz jar/student	Yellow ochre solder stop	<a href="https://www.riogrande.com/product/rio-no-flo-anti-flux-powder/504080">https://www.riogrande.com/product/rio-no-flo-anti-flux-powder/504080</a>		√
1 spool	16 g Rebar tie wire	<a href="https://www.homedepot.com/p/328-ft-16-Gauge-Rebar-Tie-Wire-370572/309328852">https://www.homedepot.com/p/328-ft-16-Gauge-Rebar-Tie-Wire-370572/309328852</a>		<b>NOT required but recommended. Very little will be needed for this workshop, but the spool could be a good studio staple.</b>
1	Miter vise	<a href="https://www.riogrande.com/product/miter-cutting-vise-and-jig-45-60-and-90-angles/112701">https://www.riogrande.com/product/miter-cutting-vise-and-jig-45-60-and-90-angles/112701</a>		<b>NOT required as it is expensive, but HIGHLY recommended</b>
4oz spool	14g brass wire	<a href="https://www.riogrande.com/product/Jewelers-Brass-Round-Wire-4-Oz-Spool-14-Ga-Dead-Soft/130500">https://www.riogrande.com/product/Jewelers-Brass-Round-Wire-4-Oz-Spool-14-Ga-Dead-Soft/130500</a>		√

Approx 3" x 1" Scrap	Any thick, clean scrap of metal (brass or copper), e.g. 16 or 18g			√
1	Soldering Tripod kit	<a href="https://www.riogrande.com/product/soldering-tripod-kit-with-medium-mesh-steel-screen/502087">https://www.riogrande.com/product/soldering-tripod-kit-with-medium-mesh-steel-screen/502087</a>		<b>NOT required but recommended</b>
1	Metal C clamp with at least 1.75" throat depth	<a href="https://www.homedepot.com/p/BESSEY-3-in-Drop-Forged-C-Clamp-with-1-3-4-in-Throat-Depth-CM30/205512967">https://www.homedepot.com/p/BESSEY-3-in-Drop-Forged-C-Clamp-with-1-3-4-in-Throat-Depth-CM30/205512967</a>		√
1	Small (6" or 8") handscrew wood clamp for folding long pieces of metal	<a href="https://www.rockler.com/wooden-handscrew-clamps-clamps">https://www.rockler.com/wooden-handscrew-clamps-clamps</a>  (A sturdy bench vise modified to protect your metal will also work)		√
<b>Tools</b>		<b>Most of are standard metal shop items that you might already have or at least have access to. In many cases, the links will go to economical options or to an assortment of items to choose from in accordance with your budget or needs. PLEASE email me with any questions!</b>		
	Jeweler's saw	<a href="https://www.riogrande.com/product/german-adjustable-jewelers-4-saw-frame/110042">https://www.riogrande.com/product/german-adjustable-jewelers-4-saw-frame/110042</a>		

	Useful Saw blade sizes e.g. 2/0, 3/0 (students' choice)	<a href="https://www.riogrande.com/product/original-laser-blades-saw-blades-pkg-12/110215gp">https://www.riogrande.com/product/original-laser-blades-saw-blades-pkg-12/110215gp</a>		
	Flat nose pliers	<a href="https://www.riogrande.com/product/flat-nose-pliers/111912">https://www.riogrande.com/product/flat-nose-pliers/111912</a>		
	Rawhide mallet	<a href="https://www.riogrande.com/product/rawhide-mallets/112209gp">https://www.riogrande.com/product/rawhide-mallets/112209gp</a>		
	Bench block	<a href="https://www.riogrande.com/product/steel-bench-blocks/112570gp">https://www.riogrande.com/product/steel-bench-blocks/112570gp</a>		
	Bench pin	<a href="https://www.riogrande.com/product/v-slot-bench-pin-and-clamp/110010">https://www.riogrande.com/product/v-slot-bench-pin-and-clamp/110010</a>		
	Assortment of files	E.G: <a href="https://www.riogrande.com/product/gardon-vallorbe-precision-flat-hand-file-swiss-cut-0/114924">https://www.riogrande.com/product/gardon-vallorbe-precision-flat-hand-file-swiss-cut-0/114924</a>		
	Hard, medium, easy solder (no more than 1 foot each needed)	<a href="https://www.riogrande.com/product/silver-wire-solder-22-ga/101707gp">https://www.riogrande.com/product/silver-wire-solder-22-ga/101707gp</a>		
	Sandpaper, various grits (240, 320, 400, etc.)	<a href="https://www.riogrande.com/product/del-rey-kraft-wet-dry-silicon-carbide-abrasive-papers/337760gp">https://www.riogrande.com/product/del-rey-kraft-wet-dry-silicon-carbide-abrasive-papers/337760gp</a>		

Soldering equipment: Torch, pick, soldering blocks, striker, ceramic honeycomb soldering block	A variety of kits and accessories are available: <a href="https://www.riogrande.com/searchresults#q=kits&amp;t=products&amp;sort=relevancy&amp;layout=card&amp;numberOfResults=36&amp;:categoryfilter=[Tools%20%26%20Equipment,Soldering%20%26%20Welding]">https://www.riogrande.com/searchresults#q=kits&amp;t=products&amp;sort=relevancy&amp;layout=card&amp;numberOfResults=36&amp;:categoryfilter=[Tools%20%26%20Equipment,Soldering%20%26%20Welding]</a>		
Flux	<a href="https://www.riogrande.com/product/handy-flux-paste-with-brush-for-soldering-and-annealing/504084">https://www.riogrande.com/product/handy-flux-paste-with-brush-for-soldering-and-annealing/504084</a>		
Steel T pins	<a href="https://www.staples.com/Staples-10819-CC-Nickel-Plated-T-Pin-100-Pack/product_436448">https://www.staples.com/Staples-10819-CC-Nickel-Plated-T-Pin-100-Pack/product_436448</a>		
Third Hand	<a href="https://www.riogrande.com/product/round-third-hand-base-with-tweezers/502066">https://www.riogrande.com/product/round-third-hand-base-with-tweezers/502066</a>		
Soldering tweezers	<a href="https://www.riogrande.com/product/stainless-steel-straight-tweezers-with-fiber-grip-handles/115221">https://www.riogrande.com/product/stainless-steel-straight-tweezers-with-fiber-grip-handles/115221</a>		
Dividers	<a href="https://www.riogrande.com/product/economy-divider/116005">https://www.riogrande.com/product/economy-divider/116005</a>		
Pin vise	<a href="https://www.riogrande.com/product/four-jaw-swiveling-pin-vise/113927">https://www.riogrande.com/product/four-jaw-swiveling-pin-vise/113927</a>		
Cutters/snips	<a href="https://www.riogrande.com/product/xuron-17011-light-duty-micro-shear-flush-cutters-without-retainer/111274">https://www.riogrande.com/product/xuron-17011-light-duty-micro-shear-flush-cutters-without-retainer/111274</a>		

	Goggles	<a href="https://www.riogrande.com/searchresults#q=safety%20glasses&amp;t=products&amp;sort=relevancy&amp;layout=card&amp;numberofResults=36">https://www.riogrande.com/searchresults#q=safety%20glasses&amp;t=products&amp;sort=relevancy&amp;layout=card&amp;numberofResults=36</a>		
	Steel ruler	<a href="https://www.riogrande.com/product/steel-ruler-with-conversion-chart/116086">https://www.riogrande.com/product/steel-ruler-with-conversion-chart/116086</a>		
	Flex Shaft	<a href="https://www.riogrande.com/searchresults#q=flex%20shaft&amp;t=products&amp;sort=relevancy&amp;layout=card&amp;numberofResults=36">https://www.riogrande.com/searchresults#q=flex%20shaft&amp;t=products&amp;sort=relevancy&amp;layout=card&amp;numberofResults=36</a>		
	Swage block or U-channel forming tools	<a href="https://www.riogrande.com/product/wood-u-channel-forming-block-and-hammer-punches/112076">https://www.riogrande.com/product/wood-u-channel-forming-block-and-hammer-punches/112076</a>		
	Pickle, pickle pot	<a href="https://www.riogrande.com/product/riopickleit-starter-kit/501020">https://www.riogrande.com/product/riopickleit-starter-kit/501020</a>		
	Square/triangle needle files	<a href="https://www.riogrande.com/product/needle-file-set-cut-2-set-of-12/114257">https://www.riogrande.com/product/needle-file-set-cut-2-set-of-12/114257</a>		
	Steel ring mandrel	<a href="https://www.riogrande.com/product/durston-precisionfit-steel-tapered-ring-mandrel/112322">https://www.riogrande.com/product/durston-precisionfit-steel-tapered-ring-mandrel/112322</a>		
	Variety of forming pliers/hammers			
	Sharpies			

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