

# Pocosin Arts School of Fine Craft

## Materials and Equipment

Instructor Name: Barbara Mann

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
1 dozen per student	3/0 saw blades, or 2/0, 1/0 Sawframe	Rio Grande – <a href="http://www.riogrande.com">www.riogrande.com</a> Item # 110-035		x
1.5-2 oz. Troy	Sterling silver casting grain	Rio Grande or any metals supplier Item# 100-800		x
	Torch to melt silver to 1700 degrees F			x
1	Small whip crucible and pinch tongs (my favorite) or the older style silica crucible with handle, a bit clunky.	Rio Grande Item #704-221		x
1	Soft firebrick or high heat surface for crucible to rest on while melting silver. Vermiculite soldering block or silquar high heat block	Rio Grande Item #502-055 Item # 502-004		x

1	Matts casting flux (heavier than 20 MuleTeam borax which floats in the air)	Rio Grande Item # 704-115		x
1	Graphite stir rod 12" x 1/4" diameter	Rio Grande Item #705-120		x
1	Fine play sand, enough to fill a large cookie" tin "metal container. Approx 8"diameter x 3" deep	Hardware store		x
1	Cookie tin, metal, container, approx. 8" diameter x 3" deep	anywhere		x
6 minimum, More is better as they can break	Cuttlefish bones: large are best, medium are good, small will do.	Cuttlebone can be found at pet stores or anywhere pet supplies are sold like Walmart. They will most likely be small at these locations. Some have a filler which makes them harder than the natural bones. For our workshop, avoid the bones with filler as they are harder to carve. For more choices, go to Amazon where there are many sellers. You can buy individual pieces or buy in 5 pound, 10 or larger size boxes. When buying in bulk, be prepared to receive a percentage broken or cracked and unusable as a whole piece. But small pieces are fine for small castings.		x

1	Small knife with a thin blade about 2-3" long is ideal. My favorite is about 3" long and 1/4" wide. This will be used to cut the gate and sprues for casting. An Exacto or scalpel blade is just a bit too short to do the job.	Hardware store, kitchen drawer		x
1	Paper cup, not waxed in the interior	You will heat your crucible and pour the casting grain from the cup into the hot crucible		x
1	Pair of tweezers to retrieve any left-over silver in the crucible after the metal has been poured into the mold (cuttlebone)	Any inexpensive, beat-up, pair of tweezers, 4" or longer		x
1	Brass brush	Rio Grande or hardware store, soft brass brush Item #113-172		x
1	Bucket to fill with water to quench hot metal casting. Plastic bucket is fine, gallon or larger	anywhere		x
1	Roll of masking tape	anywhere		x
1	Steel wool, 0000	Hardware store		x

1	Tongs, copper or kitchen, to take cuttlebone from sand container to quench bucket.	anywhere		x
1	Mattboard or cardboard sheet 1/16" thick or so. A piece about the size of your cuttlebone. (thickness of 18-20 gauge metal)	Frame stores give away scrap mattboard. You can use anything from the back of a tablet of paper or packaging, but it should be dense like mattboard, not corrugated.		x
1	Flex-shaft			x
1	Pickle pot			x
	Finishing tools to clean up castings, your preferred. The following are flex-shaft attachments that I prefer: Dedeco Heatless Wheel, or Heatless Mizzey from other suppliers),	Rio Grande Item # 332-189 (dedeco heatless wheel)		
1	Advantage Brown Aluminum Oxide Points, flat end taper Advantage Pink Aluminum Oxide Points, flat end taper Blue High-Flex Polisher Flat Mandrel for Blue High-Flex	Rio Grande Item # 332-555(brown aluminum oxide points) Item # 332-563(pink aluminum oxide points)  Item# 332-401/10 (blue high-flex) Item #333-108 (Mandrel)		x

