Pocosin Arts *School of Fine Craft*

Materials and Equipment

Instructor Name: Andy Lowrie
Course: Cloisonné Enameling on Copper and Silver

Quantity	Item / Tool / Material list	Supplier/Website link or item number
I have tried to pick the most affordable option for all of the listed materials. You will find other options from suppliers including: • https://www.enamelartsupply.com/ • https://www.etsy.com/shop/EnamelWarehouse • https://thompsonenamel.com/ • https://www.e-namels.com/ • https://www.riogrande.com/ • https://cooltools.us/ I encourage you to explore these suppliers' websites before, during or after our class and familiarize yourself with their offerings.		
	Essential materials	
6x12"	20ga copper sheet	https://www.riogrande.com/product/copper-6-x-12-sheet-20-ga.-dead-soft/132120GP/?code=132120
5-20 ft	30ga cloisonné/fine silver wire	https://www.riogrande.com/product/.999-fine-silver-cloisonne-strip-12-hard/102202GP/?code=102200
A small piece – as much as you can afford	20ga fine silver sheet	https://www.riogrande.com/product/.999-fine-silver-6-sheet-14-hard-brushed-finish/101916GP?code=101920&objectID=804013&queryID=1b332f4118efe2962993976a7c8826ad
1	Klyr Fire	https://cooltools.us/products/klyr-fire-2-oz-with-mist-spray-bottle
2oz	2040 Hard Fusing Clear enamel	https://thompsonenamel.com/product/2040-hard-fusing-clear/
At least 2 but as many as you like	A selection of Thompson Opaque enamel colors – the 1000 range is opaque and the 2000 range is transparent. If money is tight, having a design limitation of 2-3 colors can actually be a very creative challenge.	https://thompsonenamel.com/product-category/enamels/enamels-for-copper-gold-silver/

	For transparent color, a good limitation is to work with 2 colors – a light and dark of the same color range, e.g. light green and a mid-dark green.	
1	Distilled water	You can pick this up for $1-2 a gallon at the grocery store.
	Metal working tools	
1	Jeweler's saw	You probably already have this
1 bundle	2/0 saw blades	As above
1 pair	Tweezers	https://www.riogrande.com/product/fine-tip-diamond-tweezers/115080GP/?code=115080
1 pair	Chain nose pliers	https://www.riogrande.com/product/slim-chain-nose-pliers2/111821GP/?code=111821
1 pair	Round nose pliers	https://www.riogrande.com/product/round-nose-pliers2/111913GP/?code=111913
1 pair	Parallel pliers	https://www.riogrande.com/product/flat-nose-parallel-action-pliers/111321GP/?code=111321
1 pair	Flush cutters	https://www.riogrande.com/product/xuron-17011-light-duty-micro-shear-flush-cutters-without-retainer/111274GP/?code=111274
	Enameling tools	
1	Enameling kiln	You should either already have this or have access to one in a shared/rented studio
1	Enameling fork	As above
1 pair	Heat resistant gloves	As above
1	#1 Round Brush	https://www.dickblick.com/items/winsor-newton-sceptre-gold-ii-brush-pointed-round-short-handle-size-1/
1	#000 Round Brush	https://www.dickblick.com/items/winsor-newton-sceptre-gold-ii-brush-pointed-round-short-handle-30/

1 of each	EZ-Lap Diamond sticks 250 & 600 grit	https://www.artcotools.com/products/eze-lap-diamond-hones?variant=29317554307124
1	Glass brush	https://www.enamelartsupply.com/other-tools-and-supplies/fiberglass-brush
1	Medium size 80 mesh sifter	https://thompsonenamel.com/product/sifters/
1	Medium size 150 mesh sifter	https://thompsonenamel.com/product/sifters/
1	Lightweight firing rack 4x4 flanged	https://thompsonenamel.com/product/lightweight-firing-racks/
1	3 ½" Diameter trivet	https://thompsonenamel.com/product/three-point-trivets/
1	Coffee pour-over and filters	https://www.amazon.com/Fino-Pour-Over-Coffee-Brewing-2-Servings/dp/B0B13ZSTGX/ref=sr_1_5?crid=198WI4OG7Q24C&keywords=pour%2Bover%2Bcoffee%2Bdripper&qid=1702313779&sprefix=pour%2Bover%2Caps%2C84&sr=8-5&th=1
1	Jar that the pour-over fits on	I use a 32-ounce mason jar – a reused tin or sauce jar will do!
1	Plastic spoons	Take-out spoons can be repurposed for this as long as they're clean.
1	Paper towel	You can pick this up at the grocery store. I recommend getting the good stuff so you have good absorbency when you want it.
	Optional enameling tools	
1	220 Diamond Grinding pad	https://www.enamelartsupply.com/abrasives/220-grit-diamond-sanding-pad-1
1	600 Diamond Grinding pad	https://www.enamelartsupply.com/abrasives/600-grit-diamond-sanding-pad-1
1	Diamond bur set	https://cooltools.us/products/assorted-diamond-burs-set-of-20?_pos=3&_sid=9b6e5253e&_ss=r
1	Alundum stone 220 grit	https://www.riogrande.com/product/alundum-stones/350029GP/?code=350030
1	Enameling safety glasses – as someone who looks at red-hot glass and metal regularly, this is essential safety equipment for me	https://www.enamelartsupply.com/kiln-safety-glasses/glassworking-safety-glasses-light-green-model-33

1	Respirator or KN95 mask This depends on the level of protection you are comfortable with.	Link to mask