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Demo Topics 2016

For an all day demo, I cover three subjects and maybe a bit of a fourth one.

1. **Embellished Boxes.** Carving, burning, finishing and coloring techniques will be discussed as well as how to inlay small magnets into the lid and base of a box.

Equipment Needs for Embellished Boxes:

1. Flexshaft carver w/footpedal (**for most of this trip, I'll be using my own flexshaft,)**)
2. Hanger
3. Task light
- 4 Small air compressor set at 35psi with connector that will accommodate Binh Pho's handpiece and Binh Pho's NSK handpiece as well as an NSK handpiece I can use.
5. Small containers (such as empty plastic baby food containers) for dye/paint etc.
6. Small container of black Fiebings Leather Dye (if you can't get Fiebings, please get some black India Ink)
7. Small container denatured Alcohol.
8. Six strip power supply
9. Small box of Q-tips
10. Spray can of Deft Clear Wood Lacquer Finish Satin (no gloss please, won't work with what I'm doing).
11. dry straight grained wood 3.5" x 3.5" x 4" long: Cherry, Ash, Bradford pear, etc., are good. A good-burning light-colored wood is best.

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2. **Embellished Bowls.** Simple tools to help with layout, painless ways to alter a bowl off-lathe, coloring, finishing, burning and carving will be discussed.

Equipment Needs for Embellished Bowls:

1. Flexshaft carver w/footpedal (**for most of this trip, I'll be using my own flexshaft**)
2. Hanger
3. Task light
4. Six strip power supply
5. Roll of shop towels or some cotton rags.
6. Small container denatured alcohol
7. Small box of Q-tips
8. Spray can of Deft Clear Wood Finish Satin (no gloss please, won't work with what I'm doing).
9. Covering for table as I'm going some spatter painting
10. I'll do a bit of knotwork burning in here so will need 6 or 7 flat pieces of wood around 4" square. Doesn't matter how thick they are and plywood is fine.

11. Digital projector and laptop (hopefully) so that I can show a few slides. I'll have a thumbdrive.

4. Burning Tips and Techniques How to make burning tips, what sorts of wire to use, burning a design on a piece, which commercial tips are good to use for graphics and branding techniques will be discussed.

Equipment Needs for Burning Tips and Techniques

1. Small fan for blowing smoke away.
 2. Task light.
 3. Six strip power supply.
 4. Flat piece of metal for pounding wire around 3x 4.
 5. Ball peen hammer.
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5. Celtic Knotwork How to draw both square and round Celtic knots and ways to alter them.

Equipment Needs for Celtic Knotwork Design

1. Dry Board. (**two would be better and the larger the better**) on a stable stand.
 2. Eraser
 3. At least five different colored markers.
(Note: dry boards are better than paper pads as these are incremental drawings and there is a lot of erasing.)
 4. Digital projector and use of a laptop. I'll have thumbdrive with me.
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6. Footed Bowl

Turn a small bowl, then carve feet move onto subjects covered in Embellished bowls.

Equipment Needs for Footed Bowl

1. Blank around 6" w x 4" deep, clean wood, side-grain.
a natural-edged blank would work as well, again, clean wood.

2. Variable speed lathe
3. Bench grinder, 8" wheels preferred.
4. Wheel dresser
5. Task light or good lighting on lathe.
6. Four-jaw chuck, such as the Vicmarc with the small dovetail jaws 3" (**not** the small serrated ones).

7. **Inspiration and Culture Slideshow**

This slideshow would be good for an evening demo. I've collected images and explanations explaining the inspiration behind the work from both known and not so well known makers. All that's needed is a digital projector and a laptop to borrow.

8. **Iterations of Work Slideshow.**

I asked a lot of makers to send a beginning, mid and recent picture of one or two of their series. The idea is to encourage people to keep at it; don't make one, make ten.

Students' equipment for all day demo

It seems that almost everyone wants embellishment demos; so this is what I propose doing for an all-day demo.

Knotwork design in the morning.

Embellished bowls in the afternoon.

Students should bring:

1. **Paintbrushes**, including a liner brush and a coltsfoot (or deerfoot) brush.
2. **Woodburner**, preferably with a make-your-own-tip handpiece and nichrome 80 wire, if you have some. I'll have wire to share with the class and to sell if you want more. Have some **spear point round heel burning pens**. See pictures below.
3. **Small squares of wood 4" x 4"**, plywood is fine. Bring 7 or 8 for practice.
4. **A no. 6 pencil.**
5. **Eraser**
6. **Some acrylic paints if you have them.** I'll have some with me as well.
7. **Flexshaft carver, with hanger and handpieces.** Bring whatever burrs you use. I'll have some burrs for people to try out and some for sale if you want them. The collets we'll be using a 1/4", and 1/8"; I'll also have a 3/32" and some burrs to try if you use that size.
8. **A task light**, especially if the venue doesn't have good light.
9. **Sandpaper for hand sanding.**
10. **Bring a couple of bowls.** If you're only bringing one, make it a straight rimmed bowl; if it's two or maybe do one natural-edged bowl and one straight edged.

The thickness would be ideally about 3/8" on one of the straight rimmed bowls. This thickness is for some of the ways we're going to alter them. If your bowl is thicker, no problem, we can work around it. See the attached picture of the kind of foot that works for carving feet. It's best to have a sweeping curve (for what I'm showing) going from the body of the bowl to the foot. The bowl(s) should be at least 8" in diameter (or 8" on the long side for a natural-edged bowl). Don't go too big, about 10" should be the maximum. The bigger the bowl, the more real estate to cover when embellishing. (Please note: the image is of a natural-edged bowl because I don't have any straight-edged bowls roughed out right now.)



Here is an **example of a spear-point, round-heel burning tip.**

It doesn't really matter what company it's from and it doesn't have to be two-sided as this one is. For what we're doing, it's important that it has a sharp point for getting into tight places and a round heel for tracking around curves. I suggest fixed tip pens for when purchasing pre-made burning tips. They don't get as hot when you're working.