

TAMING THE IMPOSSIBLE: JIGS, FIXTURES, & GIZMOS FOR
PRECISION with Richard Scott Newman
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Tool List

Block plane, preferably low angle I use the old Stanley 60 ½

Smooth plane

Spoke shave – I like the old Stanley 151

Dovetail Saw – I like Japanese Dozukis, but western saws are fine. Make sure it has rip teeth, and is for hardwoods. Mine came from Hida Tool, about \$100

Marking gauge

Dovetail / bevel chisels – ¼", 3/8", ½" will do, a few more might be useful (1/8, 5/8, 3/4)

Mallet

Marking knife (we can make these!)

Awl

Scraper, burnisher & smooth file for sharpening

Hammer (claw)

Cordless drill w/ #2 Phillips drivers

Screwdrivers – flat, Phillips

Sliding T bevel

Ruler / straight edge

Cabinet file and/or fine rasp

Eye, ear, and respiratory protection

*Optional stuff – bring if you have it, don't buy it unless you will have use for it.

* Router w/ ½" collet – 1 ½ hp is a nice size. Needs to have removable base
½" long straight bit, some sort of flush cutter w/ ball bearing – long and heavy as possible

*A few carving gouges

*Feeler gauge set

*6" Vernier, dial, or digital calipers - cheapo Harbor Freight are great – periodically on sale for \$10

*Magnifying binoculars – I like the Magnivisor – has glass lenses. Less likely to cause headaches than plastic.

*Block plane, spokeshave, and 1/2" chisel - to modify for dealing with curved surfaces & curved joinery – can be old and rusty from ebay or craigslist.

*Any plane(s) that needs its sole flattened – I'll show you how to hand scrape it dead flat. It's easy and incredibly precise, just takes some patience. And bring an old trash file to make into a scraper.

*Wood for little chairs- The school will provide wood for one project, but if you have something special to use, or want to make a bunch of chairs, here are the rough dimensions - can be 1 pc or we can glue up narrow stock:

Seat – 12"L x 12 1/2 "W x 6/4, Back- 10"L x 11" W x 6/4, Legs- 4pc 14" x 8/4 square

I'm sure I've forgotten something, I'll probably send out a list of more stuff, but don't worry if you don't have everything. If you're flying just bring as much as is comfortable, I'll have some stuff to lend out. If you're driving... well you just can't have too many tools.

I'd like to invite you to send me suggestions for jigs and fixture you might like to see made, or especially problems that need solving. Might not get to actually do them, but at the least it would be nice to do some brainstorming on how to approach them. Please email me your ideas, and any questions you may have. Also, bring photos of any interesting stuff you'd like to share with the class.

I'm very much looking forward to meeting you all and having a challenging and fun week together.

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