

APPRENTICESHIP
MARC ADAMS
November 5-16, 2012 (2 weeks)

TOOL LIST

I'm very excited about our time together this fall. The following is a list of the hand tools that you should bring to the class. I am pretty sure that I have accounted for every hand tool that you will need; however I would encourage you to bring any extra tool(s) that you feel that you might need. The school has a lot of extra hand tools, but not a lot of extra carving tools. If you don't already own carving tools, I recommend that you get a starter set of 6 to 8 common tools. I recommend Swiss Made available at Woodcraft.

This class will have a material fee of \$70 for the practice materials that will be used during the first week of class, which will include veneering supplies, carving and joinery boards, and wood to practice sculptural and free form work. You will need to bring your own wood for the table project, or you can purchase it after you arrive at the school.

1. Straight bench chisels, at least a set of 6 sizes. The best sizes to use are; 1/8", 1/4", 3/8", 1/2", 3/4", and 1"
2. #474 Sandvik (Bahco) rectangular scraper (or any you have). If you have curved ones bring them. And a Nicholson 6" metal milling file, smooth cut. This will be used to true up the edge of the Sandvik (Bahco) scraper.
3. Sliding "T" bevel
4. Marking gauge
5. Tape measure
6. 12" or 24" metal ruler
7. X-acto #11 knife with extra blades.
8. 4" or 6" square. The metal engineering squares are best.
9. Any carving tools that you have. At least bring the following:
 - Straight tools with bevels on both sides 1/4", 3/8", 1/2", and 3/4"
 - Gouges #5-20mm #7-14mm #8-13mm #9-10mm
 - Veiner #11-10mm #7-5mm
 - Parting tools 1/4"-45 degree 3/8"-60 degree
 - Chip carving knife (preferably a Wayne Barton knife)
10. 12 oz round wooden mallet and a hammer
11. A roll of 3/4" masking tape, a roll of duct tape, and a sink sponge
12. 4" right angle grinder--if you have one, the school has 5 of them. It should be variable speed with a hard rubber disk and sanding disks from 24 to 80 grit.
13. Nicholson #49 or #50 cabinet rasp -- BRING GLOVES
14. Fine tooth dovetail saw (preferably a Japanese saw)
15. Pencils and erasers, and a large sketch pad. Any drafting supplies you have.
16. An engineers protractor, the metal type by GENERAL or the equal.
17. Dividers, and a good compass
18. A Japanese Saw Rasp, available at the Japan Woodworker.
19. Bring a small trim router with the smallest straight bit you can find. If you have a Dremel tool or Foredom bring them as well. It would be nice to have the plunge attachment for using either tool like a plunge router.
20. Safety equipment: safety glasses, ear plugs, dust masks.

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THE FIRST WEEK----THE PRACTICE WEEK

Monday the joinery day

1. Orientation, review the objectives, introductions
2. Review the process of joinery and sharpening
 - Cut dovetails by hand including lap dovetails
 - Cut through, and lap mortise and tenons
 - Cut special decorative joints
3. Review joinery for the table project
4. Practice

Tuesday the veneer day

1. Discuss veneer, how it's cut, adhesives, cores
2. Practice cutting veneer
 - Cut different matches, butt, diamond, quartered
 - Cut parquetry patterns
 - Cut radial matches
3. Press samples and clean up

Wednesday the carving day

1. Starting in clay, how to work with it, and preserve it
2. Tool sharpening, how to hold the tools
3. Working the grain
 - Carve a shell
4. Chip carving by Herman Bueno – tentative (evening session)
5. Inlay techniques including stone and precious metal

Thursday the shaping day

1. Finish inlaying project
2. Creating lines
 - Practice making hard and soft lines
 - Sculpt a union of 3 pieces of wood to flow
 - Create a twist
3. Using power grinders
4. Gilding and patination on metal
5. Surface decorations

Friday the design day

1. Doodle
2. Start designing the table
 - Make foam mock-ups
 - Make cardboard full scale mock-ups
3. Make full scale drawings and patterns

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THE SECOND WEEK----THE PRACTICAL WEEK

Monday the Design day

1. Review the process of design
 - Doodling
 - Full scale drawings, cardboard and foam mock-ups
 - Solve all joinery issues
2. Class review of designs
3. Complete and thorough safety session
4. Complete the inlay and sculpting exercises

Tuesday the day to start the project

1. This day will allow students the opportunity to start building the table
2. Open shop time
3. Discussion of how to bend wood
 - Stack laminations
 - Building the form
 - What glues to use
 - Brick laying technique
 - Steam Bending
 - How to generate heat
 - Compression bending
 - Kerf-cut bending
4. Press veneer samples from the previous week
 - Core boards
 - Glues
 - Pressing

Wednesday the Work day

1. Open shop
2. Glue presentation
 - Short version
3. 3 way miter joint demonstration/ dynamic set up
4. How to make an ammonia tent
 - test materials to fume and patinize

Thursday and Friday

1. Open shop
2. Work on the table
3. Discuss the finishing process
 - The staining process
 - Film finishes
 - The Marc Adams finishing process