

Pre-Camp Shop

You are shop! It is your program! At the minimum, you have skill and experience through high school. Our goal with the pre-camp work is to make sure our instructors have the skills, knowledge and hopefully the experience in making the projects so you will be able to assist campers in the completion of their projects. This will allow us to focus our camp training on interactive and creative ways of teaching kids.

Preface



1. Shop has its own building with two long tables, side tables, and a variety **hand tools such as hammers, Mitre saw and blocks, rip saws, coping saws, chisels, shapers, planers, sanding blocks, Surfomers (file shavers) bench vises, and hand drills.** Depending on the project other tools will be added. A drill press and routers are also available. There is an inside table (with potential for use of outside table) for painting, staining, or varnishing.
2. With 4 or more campers, 2 instructors will be assigned to allow campers to have choice within a variety of wood creation. There can be up to 8 campers per class for 3 one-hour class periods.
 - a. Pallet Wood Projects – using recycled Pallet Wood, create numerous different projects including boxes, crates, signs, etc.



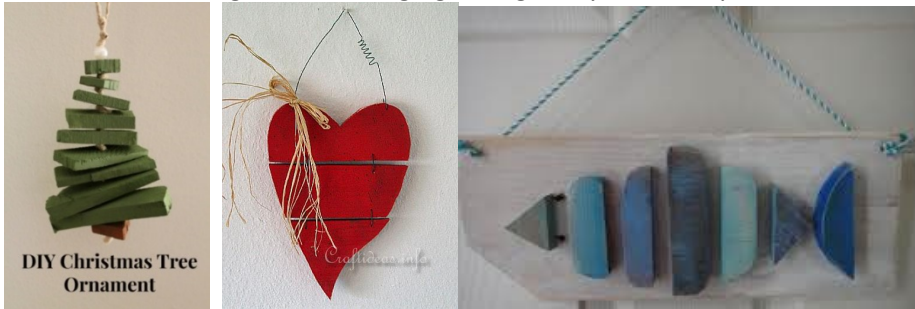
- b. Smooth Wood (2x4s, plywood, 1X6) Sailboats, toys, key holders, etc.



- c. Routing Projects – signs, plaques, etc.
- d. Wood burning Projects - <http://www.wikihow.com/Woodburn>



e. Creating wooden hangings using many different pieces – trees, fish, hearts



f. Making small wooden table top or shelf decorations:



g. Chiseling



f. Shop Challenge – make a mode of transportation.



3. Each camper whether a beginner or more advanced in skills and creativity is challenged to create a project under these guidelines:

3 Steps to a Shop Project

Design: Choose a project and design: Look at ideas on this sheet or Internet, draw out plan on paper, figure out dimensions, select wood, make patterns for wood.

Craftsmanship: Use 2 to 3 of the following skills in construction: sawing, drilling, routing, grooving, chiseling, hammering, filing, planing wood.

Finish: Use 2 or more skills in finishing the project: Sanding-every project, painting, varnishing, gluing, wood burning, embellishing (extra items like hooks, material, toothpicks, Popsicle sticks, skewers, rope, rods, etc.

**We want kids to be creative but at the same time have pride in their projects. Projects need to be packed in a suitcase to go home by plane! We cannot make shields, catapults, kites, 3 legged stools, etc. are difficult to get home. Making of sharp and/or pointed objects is not allowed. Must be smaller than a shoebox.

Tasks:

1. Email your completed Shop Leader Self-Assessment (see below) on your personal usage of tools to alli@campfoley.com.
2. Design three shop projects working through the three steps in #3 above. Email designs to alli@campfoley.com
3. Make three finished projects to be left in Shop as samples following guidelines in #3 above and using similar tools and wood. Email or text Alli a picture of each of these projects. They should be similar to designs.
4. Turn these projects in on arrival day.

**If you do not have access to tools, please contact Alli in *advance* of coming to camp to make other arrangements if necessary.

Shop Leader Self-Assessment

| Rate your skills and experience with these power tools: | 1= Proficiency; 2= Limited Experience; 3=No Experience, use space for any explanations. |
|------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| Drill press | |
| Scroll saw – not sure if using '14 | |
| Router | |
| Rate you skills and experience with these hand tools: | 1= Proficiency; 2= Limited Experience; 3=No Experience, use space for any explanations. |
| Hammer-driving in finishing nails | |
| Cross Cut or Universal Saw – can cut straight, using relief cuts | |
| Using a Mitre Box & Saw – understanding of angles | |
| Coping Saw | |
| Files (Planes, Shavers, Surfoams) | |
| Chisel | |
| Vices and Clamps | |

Suggestion: If your skills could be stronger, it is highly recommended that you strengthen your skills before coming to camp or make arrangements in *advance* to practice *in camp* during your free time.