

**Woodcraft** is a course that combines Wood Carving and Woodwork.

As with any art, wood carving involves learning the basics of design, along with material selection and tools and techniques, as well as wood-carving safety. The requirements of the Wood Carving merit badge introduce Scouts to an enjoyable hobby that can become a lifetime activity.

Wood is an amazingly versatile, practical, yet beautiful material. A skilled craftsman can use wood to fashion just about anything. As a woodworker or carpenter, you will find no end of useful, valuable, and fun items you can make yourself, from wood.

Bring two signed merit badge card and the Wood Carving and Woodwork Merit Badge pamphlet that you have read. You should be able to complete all the requirements. Filling some requirements on the Wood Carving and Woodworking workbooks prior to the course will help complete the requirements at camp. The workbooks are available at: <http://usscouts.org/mb/worksheets/WoodCarving.pdf> and <http://usscouts.org/mb/worksheets/Woodwork.pdf>. You may bring your own hand tools if you like to use ones you are familiar with. We will provide hand tools and materials for course. Bring your Totin' Chip, if you have one, and some carving and project ideas.

The course is limited to 10 participants.

The following lessons are included in the course:

1. Hazards, safety, and first aid – The instructor has the students identify injuries that could occur while working with wood. This includes cuts, scratches, splinters, severe bleeding, and shock. The students discuss prevention, mitigation, and treatment of these injuries. The use of eye, ear, and breathing protection is discussed.
2. Earn the Totin' Chip or review it if you already earned it. Discuss the Safety Checklist for Carving.
3. Types of woodworking tools – Discuss what they are used for, which tool to use, how to care for and store them. Demonstrate that you know how to properly use these woodworking tools.

4. Explain how to care for and use the types of tools that you may use in your carving and woodwork projects.
5. Explain how to care for and use several types of sharpening devices. Demonstrate that you know how to use these devices to sharpen several types of tools.
6. Using a piece of wood or a project, show your instructor that you know the following carving techniques:
  - a) Paring cut
  - b) Push cut and levering cut
  - c) "V" cut
  - d) Stop cut or score line
7. Describe how timber is grown, harvested, and milled. Tell how lumber is cured, seasoned, graded, and sized.
8. Collect and label blocks of six kinds of wood useful in woodworking. Describe the chief qualities of each. Give the best uses of each. Tell why different woods are used for different projects. Explain why you chose the type of wood you did for your projects.
9. Plan your own or select a carving project and complete a simple carving in the round.
10. Complete a simple low-relief OR a chip carving project.
11. Use a saw, plane, plane, hammer, brace, and bit, make something useful of wood. Cut parts from lumber that you have squared and measured from working drawings.
12. Create your own carpentry project. List the materials you will need to complete your project, and then build your project. Keep track of the time you spend and the cost of the materials.

13. Do any TWO of the following:

- A. Make working drawings of a project needing - (1) Beveled or rounded edges OR curved or incised cuttings, OR (2) Miter, dowel, or mortise and tenon joints. Build this project.
- B. b. Make a cabinet, box or something else with a door or lid fastened with inset hinges.
- C. c. Help make and repair wooden toys for underprivileged children; OR help carry out a carpentry service project approved by your counselor for a charitable organization.

14. Talk with a cabinetmaker or carpenter. Find out about the training, apprenticeship, career opportunities, work conditions, work hours, pay rates, and union organization that woodworking experts have in your area.