WOODWORK

“Enhancing our youths’ competitive edge through merit badges”
Requirements

1. Do the following:
   a. Explain to your counselor the most likely hazards you may encounter while participating in woodwork activities, and what you should do to anticipate, help prevent, mitigate, and respond to these hazards. Explain what precautions you should take to safely use your tools.
   b. Show that you know first aid for injuries that could occur while woodworking, including splinters, scratches, cuts, severe bleeding, and shock. Tell what precautions must be taken to help prevent loss of eyesight or hearing, and explain why and when it is necessary to use a dust mask.
   c. Earn the Totin’ Chip recognition.

2. Do the following:
   a. Describe how timber is grown, harvested, and milled. Tell how lumber is cured, seasoned, graded, and sized.
   b. Collect and label blocks of six kinds of wood useful in woodworking. Describe the chief qualities of each. Give the best uses of each.

3. Do the following:
   a. Show the proper care, use, and storage of all working tools and equipment that you own or use at home or school.
   b. Sharpen correctly the cutting edges of two different tools.
4. Using a saw, plane, hammer, brace, and bit, make something useful of wood. Cut parts from lumber that you have squared and measured from working drawings.

5. 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.

6. 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. Make a cabinet, box, or something else with a door or lid fastened with inset hinges.
   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.

7. 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.
Resources for Woodworking

Scouting Literature

Deck of First Aid; Emergency First Aid pocket guide; Be Prepared First Aid Book; Drafting, First Aid, Forestry, Home Repairs, Inventing, Model Design and Building, Painting, Pulp and Paper, and Wood Carving merit badge pamphlets.

Visit the Boy Scouts of America’s official retail website at http://www.scoutstuff.org for a complete listing of all merit badge pamphlets and other helpful Scouting materials and supplies.

Books


Fraser, Aime. Getting Started in Woodworking: Skill-Building Projects.


Magazines

American Woodworker
Telephone: 952-948-5890
Website: http://www.americanwoodworker.com

Popular Woodworking
F+W Publications Inc.
Website: http://www.popularwoodworking.com

Videos


**Resources for Woodworking**

**Organizations and Websites**

**Absolutely Free Plans**  
Website:  
http://absolutelyfreeplans.com

**Bureau of Labor Statistics**  
U.S. Department of Labor  
Website:  

**National Association of Home Builders**  
1201 15th St. NW  
Washington, DC 20005  
Toll-free telephone: 800-368-5242  
Website: http://www.nahb.org

**Sawdust Making 101**  
Website:  
http://www.sawdustmaking.com

**United Brotherhood of Carpenters and Joiners of America**  
101 Constitution Ave. NW  
Washington, DC 20001  
Telephone: 202-546-6206  
Website: http://www.carpenters.org

**WoodNet.net**  
Website:  
http://www.woodnet.net/tips

**WoodZone.com**  
Website:  
http://www.woodzone.com

**Acknowledgments**

The Boy Scouts of America thanks skilled woodworkers Michael Rosenberg and Robert Meunier of the Charlotte (North Carolina) Woodworkers Association who so graciously assisted us with this new edition of the Woodwork merit badge pamphlet. We appreciate their knowledge and expertise on the subject very much, and we are grateful for the time they took to help us.

The Boy Scouts of America is grateful to the men and women serving on the Merit Badge Maintenance Task Force for the improvements made in updating this pamphlet.

**Photo and Illustration Credits**

BananaStock—page 69

HAAP Media Ltd.  
—cover (chisel/shavings)

Juperimages—pages 4 and 58

©Photos.com—cover (bench, tape measure, hammer/nail); pages 6 (background), 19, 20 (top right), 21 (top left), 24 (both screwdrivers), 66, and 68 (top)

Thinkstock—page 69

Thinkstock/Digital Vision—page 33

Thinkstock/Hemera Technologies—page 21 (bottom)

Thinkstock/John Howard—pages 34 and 35

Thinkstock/Photodisc—page 68 (bottom)

Thinkstock/Pixland  
—page 21 (hand/ruler)

Wikipedia.org—page 43

All other photos and illustrations not mentioned above are the property of or are protected by the Boy Scouts of America.

Daniel Giles—cover (nest box); pages 10, 44, 46–53, and 70

John McDearmon—all illustrations on pages 7, 11–13, 23, 26, 28, 29, 36, 37–38, 45, 50, and 55–64