

# MERIT BADGE SERIES



# WOODWORK



BOY SCOUTS OF AMERICA®

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*"Enhancing our youths' competitive edge through merit badges"*



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## Woodwork

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 woodwork- ing, 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 woodworking project. Begin by making working drawings, 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 beveled or rounded edges and build it.
  - (b) Make working drawings of a project needing curved or incised cuttings and build it.
  - (c) Make working drawings of a project needing miter, dowel, or mortise and tenon joints and build it.

- (d) Make a cabinet, box, or something else with a door or lid fastened with inset hinges.
  - (e) Help make and repair wooden toys for underprivileged children OR help carry out a woodworking 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

Adkins, Jan. *Toolchest*. Walker, 1984.

Bramlett, Tim. *A Kid's Guide to Crafts: Wood Projects*. Stackpole Books, 1997.

Creative Publishing. *The Complete Guide to Easy Woodworking Projects*. Creative Publishing, 2003.

Fine Woodworking. *The Basics of Craftsmanship: Key Advice on Every Aspect of Woodworking*. Taunton, 2003.

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

*That Teach the Basics*.  
Taunton, 2003.

McGuire, Kevin. *Woodworking for Kids: 40 Fabulous, Fun & Useful Things for Kids to Make*. Sterling, 1994.

Nelson, John R. *American Folk Toys: Easy-to-Build Toys for Kids of All Ages*. Taunton, 1998.

## Magazines

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

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

## Videos

*Basic Carpentry*. D.I.Y. Video, 1985.

*Easy Woodworking Projects*. D.I.Y. Video, 1985.

*Small Shop Projects: Boxes*.  
Taunton Press, 1990.

*Woodworking Made Easy With Hank Metz, Vol. 1: Biscuit Joinery Techniques*. Easyway Ventures, 1996.

## Organizations and Websites

### Absolutely Free Plans

Website:

<http://absolutelyfreeplans.com>

### Bureau of Labor Statistics

U.S. Department of Labor

Website:

<http://www.bls.gov/oco/ocos202.htm>

### 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>

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