

MERIT BADGE SERIES



WOODWORK



BOY SCOUTS OF AMERICA®

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"Enhancing our youths' competitive edge through merit badges"



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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 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 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 finish carpenter. Learn about training, apprenticeships, 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; Scouts BSA Handbook for Boys; Scouts BSA Handbook for Girls; Drafting, First Aid, Forestry, Home Repairs, Inventing, Model Design and Building, Painting, Pulp and Paper, and Wood Carving* merit badge pamphlets

With your parent's permission, visit the Boy Scouts of America's official retail website, www.scoutshop.org, for a complete listing of all merit badge pamphlets and other helpful Scouting materials and supplies.

Books

Blankenship, Loyd, and Lane Boyd. *Woodworking for Young Makers: Fun and Easy Do-It-Yourself Projects*. Maker Media, Inc., 2017.

Fine Woodworking. *The Basics of Craftsmanship: Key Advice on Every Aspect of Woodworking*. Taunton, 2000.

Flexner, Bob. *Understanding Wood Finishing*, 2nd ed. Fox Chapel Publishing, 2010.

Harrold, Jim. *Classic Wooden Toys: Step-by-Step Instructions for 20 Built-to-Last Projects*. Spring House Press, 2015.

Korn, Peter. *Woodworking Basics: Mastering the Essentials of Craftsmanship*. Taunton Press, 2003.

McGuire, Kevin. *The All-New Woodworking for Kids*. Lark Crafts, 2008.

Stevens, Craig. *Woodshop 101 for Kids*. CreateSpace Independent Publishing Platform, 2013.

Wakefield, David. *Animated Animal Toys in Wood: 20 Projects that Walk, Wobble & Roll*. Fox Chapel Publishing, 2014.

Magazines

Fine Woodworking

Website: www.finewoodworking.com

Popular Woodworking

Website:

www.popularwoodworking.com

Wood

Website: www.woodmagazine.com

Woodsmith

Website: www.woodsmith.com

Woodworker's Journal

Website: www.woodworkersjournal.com

Videos

Essential Woodworking Techniques. Woodworkers Guild of America, 2011.

Popular Woodworking-Videos

Website: <https://videos.popularwoodworking.com/catalog>

Organizations and Websites

Absolutely Free Plans

Website:

www.absolutelyfreeplans.com

Bureau of Labor Statistics

U.S. Department of Labor

Website:

www.bls.gov/oooh/production/woodworkers.htm

National Association of Home Builders

1201 15th St. NW

Washington, DC 20005

Toll-free telephone: 800-368-5242

Website: www.nahb.org

Sawdust Making 101

Website:

www.sawdustmaking.com

United Brotherhood of Carpenters and Joiners of America

101 Constitution Ave. NW

Washington, DC 20001

Telephone: 202-546-6206

Website: www.carpenters.org

WoodNet.net

Website: <https://forums.woodnet.net>

Woodworking Masterclasses

Website: <https://woodworkingmasterclasses.com/>

Woodwright's Shop with Roy Underhill

Website: <http://www.pbs.org/woodwrightshop/watch-on-line/>

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