



# Woodwork

## Merit Badge Workbook

This workbook can help you but you still need to read the merit badge pamphlet (book). No one can add or subtract from the Boy Scout Requirements #33215. Merit Badge Workbooks and much more are below: [Online Resources](#).

Send comments to: [craig@craiglincoln.com](mailto:craig@craiglincoln.com). Requirements revised: 2003, Workbook updated: February 2008.

Scout's Name: \_\_\_\_\_ Unit: \_\_\_\_\_

Counselor's Name: \_\_\_\_\_ Counselor's Ph #: \_\_\_\_\_

1. Do the following:

a. 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. \_\_\_\_\_

b. Earn the Totin' Chip recognition. \_\_\_\_\_

c. Tell your counselor what precautions you take to safely use your tools. \_\_\_\_\_

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.

Kind of wood \_\_\_\_\_

Chief qualities \_\_\_\_\_

Best uses \_\_\_\_\_

Kind of wood \_\_\_\_\_

Chief qualities \_\_\_\_\_

Best uses \_\_\_\_\_

Kind of wood \_\_\_\_\_

Chief qualities \_\_\_\_\_

Best uses \_\_\_\_\_

Kind of wood \_\_\_\_\_

Chief qualities \_\_\_\_\_

Best uses \_\_\_\_\_

Kind of wood \_\_\_\_\_

Chief qualities \_\_\_\_\_

Best uses \_\_\_\_\_

Kind of wood \_\_\_\_\_

Chief qualities \_\_\_\_\_

Best uses \_\_\_\_\_

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 something for which you have to turn duplicate parts on a lathe.
- c. Make a cabinet, box, or something else with a door or lid fastened with inset hinges.
- d. 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. \_\_\_\_\_

**Online Resources** (Use any Internet resource with caution and only with your parent's or guardian's permission.)

**Merit Badge Workbooks:** [usscouts.org](http://usscouts.org) -or- [meritbadge.org](http://meritbadge.org)

**Merit Badge Books:** [www.scoutstuff.org](http://www.scoutstuff.org)

Boy Scouts of America: <http://www.scouting.org/> ▶ [Requirements](#) ▶ [Intro to Merit Badges](#) ▶ [Guide to Safe Scouting](#)

▶ [Youth Protection](#) ▶ [Leave No Trace](#) ▶ [Outdoor Code](#) ▶ [Wilderness Use](#) ▶ [Safe Swim Defense](#) ▶ [Safety Afloat](#)

[ExpertVillage First Aid Videos](#) 📺 [Make a First Aid Kit](#) 📺 [Basics](#) 📺 [Basics2](#) 📺 [CPR Basics](#) 📺 [Venomous Snake Bite](#)

[ExpertVillage.com Lesson Videos:](#) 📺 [How to Use a Jig Saw](#) 📺 [How to Use a Belt Sander](#) 📺 [How to Use a Lathe](#)

📺 [How to Use a Miter Saw](#) 📺 [How to Use an Orbital Sander](#) 📺 [How to Use a Finishing Sander](#)

📺 [How to Make Shadow Box](#) 📺 [How to Build Bookshelves](#)

American Woodworker: <http://www.americanwoodworker.com>

Popular Woodworking: <http://www.popularwoodworking.com>

Absolutely Free Plans: <http://absolutelyfreeplans.com>

KidsCanMakeIt.com: <http://www.kidscanmakeit.com/>

National Association of Home Builders: <http://www.nahb.org>

Sawdust Making 101: <http://www.sawdustmaking.com>

United Brotherhood of Carpenters: <http://www.carpenters.org>

Woodworking Tips: <http://www.woodworkingtips.com/>

WoodZone.com: <http://www.woodzone.com>