



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](#).

Workbook developer: craig@craiglincoln.com. Requirements revised: 2003, Workbook updated: November 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. _____

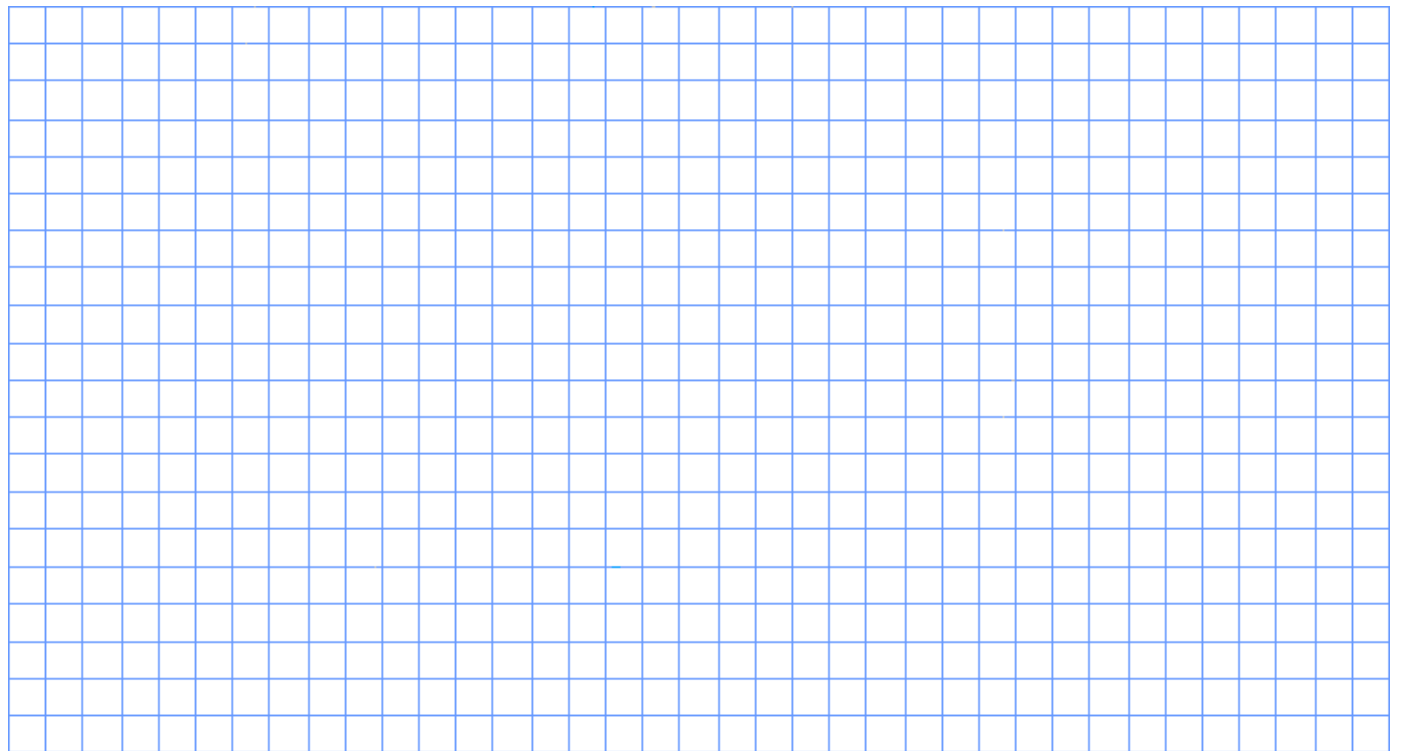
5. Create your own carpentry project. _____

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.)

Boy Scouts of America: ► scouting.org ► [Guide to Safe Scouting](#) ► [Age-Appropriate Guidelines](#) ► [Safe Swim Defense](#)
 ► [Scout](#) ► [Tenderfoot](#) ► [Second Class](#) ► [First Class](#) ► [Rank Videos](#) ► [Safety Afloat](#)

Boy Scout Merit Badge Workbooks: usscouts.org -or- meritbadge.org **Merit Badge Books:** www.scoutstuff.org
 ► [Leave No Trace](#) ► [Outdoor Code](#) ► [Wilderness Use Policy](#) ► [Youth Protection Training](#)

Requirement Resources

1: **First Aid:** See http://meritbadge.org/wiki/index.php/First_Aid for these links and more:

[First Aid Videos: Basics - Basics2](#) [Wilderness First Aid](#) [CPR Basics](#) [Venomous Snake Bite](#) [First Aid Kits](#)

Other First Aid Links: [Mayo Clinic First Aid Guide](#) [Class 1 Exam](#) [Class 3](#) [Warning Signs of Cancer - Heart Disease](#)

3: Totin' Chip: http://meritbadge.org/wiki/index.php/Totin_Chip

6: How to draw a Scale Plan: <http://www.wikihow.com/Draw-a-Floor-Plan-to-Scale>

2-7: [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](#)

General Resources

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

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

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

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

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

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

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

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

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