



Woodwork

Merit Badge Workbook



This workbook can help you but you still need to read the merit badge pamphlet.
This Workbook can help you organize your thoughts as you prepare to meet with your merit badge counselor

Merit Badge Counselors may not require the use of this or any similar workbooks.

You still must satisfy your counselor that you can demonstrate each skill and have learned the information.
You should use the work space provided for each requirement to keep track of which requirements have been completed, and to make notes for discussing the item with your counselor, not for providing full and complete answers.

If a requirement says that you must take an action using words such as "discuss", "show",
"tell", "explain", "demonstrate", "identify", etc, that is what you must do.

No one may add or subtract from the official requirements found in Scouts BSA Requirements (Pub. + 33216) and/or on Scouting.org.

The requirements were last issued or revised in 2021 • This workbook was updated in January 2021.

Scout's Name: _____ Unit: _____

Counselor's Name: _____ Phone No.: _____ Email: _____

Please submit errors, omissions, comments or suggestions about this **workbook** to: Workbooks@USScouts.Org

Comments or suggestions for changes to the **requirements** for the **merit badge** should be sent to: Merit.Badge@Scouting.Org

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.

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- b. Show that you know first aid for injuries that could occur while woodworking, including splinters, scratches, cuts, severe bleeding, and shock.

Splinters

Scratches:

Cuts:

Severe bleeding:

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.

Grown:

Harvested:

Milled:

Tell how lumber is cured, seasoned, graded, and sized.

Cured:

Seasoned:

Graded:

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.

c 1. Kind of wood

Chief qualities

Best uses

c 2. Kind of wood

Chief qualities

Best uses

c 3. Kind of wood

Chief qualities

Best uses

C 4. Kind of wood

Chief qualities

Best uses

C 5. Kind of wood

Chief qualities

Best uses

C 6. 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 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.

Date	Start Time	End Time	Hours	Materials Cost
Totals				

6. Do any TWO of the following:

- ☐ a. Make working drawings of a project needing beveled or rounded edges and build it

A large rectangular area filled with a light blue grid pattern, intended for drawing working drawings of a project.

- ☐ b. Make working drawings of a project needing curved or incised cuttings and build it

A large rectangular area filled with a light blue grid pattern, intended for drawing working drawings of a project.

- c. Make working drawings of a project needing miter, dowel, or mortise and tenon joints and build it.

This image shows a full page of blank graph paper. The grid consists of small, uniform squares formed by thin, light blue horizontal and vertical lines. There are no margins, text, or other markings on the page.

- ☐ 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 the training, apprenticeships, career opportunities, work conditions, work hours, pay rates, and union organization that woodworking experts have in your area.

Training

Apprenticeships:

Career opportunities:

Work conditions:

Work hours:

Pay rates:

Union organization:

When working on merit badges, Scouts and Scouters should be aware of some vital information in the current edition of the *Guide to Advancement* (BSA publication 33088). Important excerpts from that publication can be downloaded from <http://usscouts.org/advance/docs/GTA-Excerpts-meritbadges.pdf>.

You can download a complete copy of the *Guide to Advancement* from <http://www.scouting.org/filestore/pdf/33088.pdf>.