

# Woodwork

## Merit Badge Workbook

Merit badges are earned by doing: reading the pamphlet, practicing the skills, and showing your counselor what you have learned.
This workbook gives you a place to organize your notes and track your progress along the way.
**Merit badge counselors may not require the use of this or any similar workbook.**
You still must satisfy your counselor that you can demonstrate each skill and have learned the information.
Use the space under each requirement to note what you have done and what you want to talk about, not to write out full answers.
When a requirement says discuss, show, tell, explain, or demonstrate, that is what you must do.
No one may add to or subtract from the official requirements found on scouting.org (Guide to Advancement 7.0.4.8).

Scouting America last updated this badge's requirements page on September 19, 2025.
*Requirements change from time to time. Double-check scouting.org before you start.*

Scout's name: _____ Unit: _____ Date started: _____

Counselor's name: _____ Phone no.: _____ Email: _____

*Links marked "Scouting America resources" are the ones Scouting America shares on its official badge page.*
*This workbook is unofficial and not endorsed by Scouting America.*

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**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.

**Scouting America resources:** Safety in Woodworking | Woodworking (video)

**Woodwork hazards**

| Hazard | How I anticipate and help prevent it | How I mitigate it and respond |
|---|---|---|
| | | |
| | | |
| | | |
| | | |
| | | |

**Precautions I take to use my tools safely**

**(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.

**Scouting America resources:** Safety in Woodworking | Woodworking (video)

**First aid for woodworking injuries**

| Injury | First aid I would give |
|---|---|
| splinters | |
| scratches | |
| cuts | |
| severe bleeding | |
| shock | |

**Precautions to help prevent loss of eyesight or hearing**

**Why and when a dust mask is needed**

**(c)** Earn the Totin' Chip recognition.

Date I earned my Totin' Chip _____ Signed by _____

Requirement 1 completed on _____ counselor initials _____

**2.** Do the following:

**(a)** Describe how timber is grown, harvested, and milled. Tell how lumber is cured, seasoned, graded, and sized.

**Scouting America resources:** How Trees Are Made Into Lumber (video)

**From timber to lumber**

| Step | How it is done |
|---|---|
| grown | |
| harvested | |
| milled | |
| cured | |
| seasoned | |
| graded | |
| sized | |

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**(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.

**Scouting America resources:** Types of Plywood (website w/ video) · Types of Lumber (website w/ video)

**My six kinds of wood (blocks collected and labeled)**

| Kind of wood | Chief qualities | Best uses |
|---|---|---|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

Requirement 2 completed on _____ counselor initials _____

**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.

**Scouting America resources:** Tool Maintenance 101: Tips for KeepingYour Woodworking Tools in Top Condition (website)

**Tools and equipment I own or use at home or school**

| Tool or equipment | Care | Use | Storage |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

**(b)** Sharpen correctly the cutting edges of two different tools.

**Scouting America resources:** Best Method for Sharpening Your Chisels and Plane Irons (video)

| Tool I sharpened | How I sharpened its cutting edge | Date |
|---|---|---|
| | | |
| | | |

Requirement 3 completed on _____ counselor initials _____

**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.

**Scouting America resources:** Build This Simple Wooden Tool Box - Hand Saw And A Hammer (video)
Learn How to Mark, Measure and Cut Wood (video)

What I made _____ Date finished _____

- ☐ Saw
- ☐ Plane
- ☐ Hammer
- ☐ Brace and bit
- ☐ Squared and measured my lumber
- ☐ Cut parts from working drawings

**My working drawings (draw here or attach)**

Requirement 4 completed on _____ counselor initials _____

**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.

My project _____ Date finished _____

**My working drawings (draw here or attach)**

**Materials I need**

| Material | Amount | Cost |
|---|---|---|
| | | |
| | | |
| | | |

*Materials I need (continued)*

| Material | Amount | Cost |
|---|---|---|
| | | |
| | | |
| | | |
| | | |

**My time log**

| Date | What I worked on | Time spent |
|---|---|---|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

Total time | Total cost of materials

Requirement 5 completed on | counselor initials

**6.** Do TWO of the following:

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

**Scouting America resources:** Bevels- How to Make Beveled Panels on the Tablesaw (video)
Rounded Edges- How to Rout Round Corners (video)

My project | Date finished

**Working drawings with beveled or rounded edges (draw here or attach)**

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

**Scouting America resources:** Making Arcs & Curves the Easy Way (video)

My project _____ Date finished _____

**Working drawings with curved or incised cuttings (draw here or attach)**

☐ **(c)** Make working drawings of a project needing miter, dowel, or mortise and tenon joints and build it.

**Scouting America resources:** Mitered Mortise & Tenon Joint (video)

My project _____ Joint type I used _____ Date finished _____

**Working drawings showing the joints (draw here or attach)**

☐ **(d)** Make a cabinet, box, or something else with a door or lid fastened with inset hinges.

**Scouting America resources:** The Special Wooden Box / Invisible Wooden Hinge - Using Basic Tools / Dovetail Joints (video)

What I made _____ Date finished _____

**How I fitted the door or lid with inset hinges**

☐ **(e)** Help make wooden toys for children OR help carry out a woodworking service project approved by your counselor for a charitable organization.

**Scouting America resources:** How To Make Wooden Toys for Kids | DIY | Great Home Ideas (video)

Toys or service project _____ For whom _____ Date _____

**What I helped make or do (and counselor approval for a service project)**

Requirement 6 completed on _____ counselor initials _____

**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.

**Scouting America resources:** A Day at AWC: Careers in the Wood Industry (video)
Kayleen McCabe—Her Career in Woodworking (video)

Person I talked with (cabinetmaker or finish carpenter) _____ Date _____

**What I learned about woodworking work in my area**

| Topic | What I learned |
|---|---|
| training | |
| apprenticeships | |
| career opportunities | |
| work conditions | |
| work hours | |
| pay rates | |
| union organization | |

Requirement 7 completed on _____ counselor initials _____

## Counselor sign-off

Your counselor signs your blue card or approves the badge in Scoutbook, and your unit records it. This line is for your own records.

Counselor's signature _____ Date completed _____

## Official Scouting America resources

**Scouting America resources:** Woodwork merit badge page (requirements and resources) · Woodwork merit badge pamphlet (free PDF)
All merit badges

Made by Cole at ScoutSmarts.com, an Eagle Scout who loves helping Scouts.
Spot an error or a requirement change? Tell me at scoutsmarts.com/contact.
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