Woodworking's usefulness can be applied to many areas of life through learning how to safely use tools to build with wood. The woodworking project teaches the full scope of constructing a wood piece from design to completion.

- Learn how to use tools correctly and safely
- Design your project, including all steps from start to finish
- Develop a materials list
- Select wood suited for your project
- Use of hand and power tools to cut, shape, join and sand your wood
- Learn techniques, including turning, joinery, and finishing

The activities above are ideas to inspire further project development. This is not a complete list.
Expand Your Experiences!

Science, Technology, Engineering, and Mathematics

- Take a wood planer apart and put it back together to see how it is engineered
- Using a variable speed lathe, turn a piece of wood with a turning tool using different speeds from slow to fast and see how it affects the look of the wood
- Examine different grades of sand paper under a magnifying glass to explore differences

Healthy Living

- Build a balance board and keep it in your living room to help strengthen your legs and maintain good balance
- Think out the whole process of construction and calculating dimensions which involves the body and mind

Citizenship

- Build bird feeders to put around your local senior housing
- Build large raised vegetable planters for your school’s lunch program
- Volunteer to build with Habitat for Humanity
- Set up a fair booth to demonstrate scroll saw techniques

Leadership

- Be a Junior or Teen Leader for the Woodworking project
- Lead a “Build It” day for your club members — choose something fun for everyone to build and incorporate teaching shop safety in to the day
- Lead a committee to build wood A-frame signs to advertise your club’s events

Resources

- Fine Wood Working
  Finewoodworking.com

- Inside Woodworking
  www.insidewoodworking.com

- Museum of Woodworking Tools
  http://www.antiquetools.com/

- WoodNet
  http://www.woodnet.net/

Woodworking Safety

4-H Clover Safety Notes for using tools and equipment
safety.ucanr.org/4-H_Resources/Clover_Safe_Notes_by_Project_Area/

Fine Wood Working Safety

Connections & Events | Curriculum | 4-H Record Book

Presentation Days – Share what you’ve learned with others through a presentation.

Field Days – At these events, 4-H members may participate in a variety of contests related to their project area.

Contact your county 4-H office to determine additional opportunities available, such as a field day.

- National 4-H Curriculum at 4hmall.org – Woodworking Curriculum is good for beginners
  - Making the cut
  - Nailing it together
  - Measuring Up
  - Finishing Up
  - Helper’s Guide

- 4-H Wood Science from OSU
  extension.oregonstate.edu/catalog/4h/4-h442la.pdf

4-H Record Books give members an opportunity to record events and reflect on their experiences. For each project, members document their experiences, learning and development.

4-H Record Books also teach members record management skills and encourage them to set goals and develop a plan to meet those goals.

To access the 4-H Record Book online, visit http://ucanr.edu/orb/

The UC 4-H Youth Development Program does not endorse, warrant, or otherwise take responsibility for the contents of unofficial sites.