
DEPARTMENT H WOODWORKING

NOTE: Woodworking projects will be interview judged.

Each exhibitor may exhibit one item in each class within one Unit. An exhibitor may not enter in more than one Unit.

NOTE: The superintendents will divide these classes into Junior and Senior divisions. Junior division will consist of 4-H'er who are 8-11 years of age on January 1, of the current year. The senior division will consist of those 4-H'ers who are 12 and older as of January 1, of the current year.

REQUIREMENTS:

The ability to build objects as designed by another person is an important life skill. Professional woodworkers often are hired to build objects to exacting specifications as laid out in a written plan. Requirements: All articles exhibited must include a plan (with drawings or sketch or blueprint) stating dimensions and other critical instructions a builder would need to know how to build the project. Plans may include narrative instructions in addition to the dimension drawings and include any alternations to the original plan. Part of the score depends on how well the project matches the plans. If plans are modified, the changes from the original need to be noted on the plans. All plans used for making the article must be securely attached and protected by a clear plastic cover.

Woodworking projects made out of composite materials will be accepted. Examples would include using composite decking for a picnic table, deck table or chair.

4-H'ers must be in Unit 3 or Unit 4 for the exhibit to be considered for State Fair.

WOODWORKING DIVISION 911

Premiums: Purple - \$6, Blue - \$5,
Red - \$4, White - \$3

A 4-H member enrolled in a Woodworking Unit may not exhibit in a lesser Woodworking Unit.

Example: A 4-Her enrolled in Unit 4: Finishing Up may not exhibit a project in Unit 3: Nailing It Together.

UNIT 1: MEASURING UP

920. + Woodworking Item made from a Kit that requires skills learned in the Measuring Up Manual, i.e. must be made with hand tools only.

930. + Woodworking Article – Item made using skills learned in the Measuring Up manual. Must be made with hand tools only. Examples include: letter holder, storage box, airplane or picture frame. Include plans with exhibit.

940. + Woodworking Display – Display exemplifying one of the principles learned in the Measuring Up project. Examples include: using a square or identifying tools.

UNIT 2: MAKING THE CUT

950. + Woodworking Article – Item made using the skills learned in the Making the Cut manual. Examples include: whistle, sawhorse, birdhouse, toolbox or stool. Include plans with exhibit.

960. + Woodworking Display – Display exemplifying one of the principles learned in the Making the Cut project. Examples include: making a miter cut or making a curved cut with a jigsaw.

970. + Woodworking Item Made from a Kit that requires skills learned in the Making the Cut Manual, such as cutting on the angle, using a combination square or using a pad or belt sander.

UNIT 3: NAILING IT TOGETHER

1. + Woodworking Article – item made using skills learned in the Nailing It Together Manual. Examples include: bookcase, coffee table or end table. Scoresheet SF91.

2. + Woodworking Display – display exemplifying one of the principles learned in the Nailing It Together Project. Examples include: measuring angles, wood lamination, and joint types. Scoresheet SF91.

3. + Recycled Woodworking Display (SF91)-Article made from recycled, reclaimed or composite wood. Article must be sanded and sealed and utilize one or more woodworking techniques from page 2 of the Unit 3 manual. Exhibit must include the woodworking plan and a minimum one page report of how the engineering design process was used to develop the woodworking plan.

Engineering Design Process-

1. State the problem (Why did you need this item?)
2. Generate possible solutions (How have others solved the problem? What other alternatives or designs were considered?)
3. Select a solution (How does your solution compare on the basis of cost, availability, and functionality?)
4. Build the item (What was your woodworking plan, and what processes did you use to build your item?)
5. Evaluate (How does your item solve the original need?)
6. Present results (How would you do this better next time?)

UNIT 4: FINISHING UP

4. + Woodworking Article – item made using skills learned in the Finishing It Up Project. Examples include: dovetailing, making a pen using lathe, overlays, using a router, etc. Scoresheet SF91.

5. + Woodworking Display – display exemplifying one of the principles learned in the Finishing It Up Project. Examples include: career opportunities, types of finishes, or dovetailing. Scoresheet SF91.

6. + Recycled Woodworking Display (SF91) – Article made from recycled, reclaimed or composite wood. Article must be sanded and sealed and utilize one or more woodworking techniques from page 2 of the Unit 4 manual. Exhibit must include the woodworking plan and a minimum one page report of how the design and engineering process was used to develop the woodworking plan.

1. State the problem (Why did you need this item?)
2. Generate possible solutions (How have others solved the problem? What other alternatives or designs were considered?)
3. Select a solution (How does your solution compare on the basis of cost, availability, and functionality?)
4. Build the item (What was your woodworking plan, and what processes did you use to build your item?)
5. Evaluate (How does your item solve the original need?)
6. Present results (How would you do this better next time?)

CAREERS

10.+ Careers Interview (SF239) – Interview someone who is working in the field of woodworking and research that career. Interviews can either be written or in a multimedia format (CD/DVD). Written

interviews should be in a notebook. Written reports should be 3 to 5 pages, double spaced, 12 point font, and 1" margins. Multimedia reports should be between 3 to 5 minutes in length.