Woodworking

Department H, Division 911

Superintendents - Lori Walla
Jr. Superintendent -

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 drawing 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 the 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. 4-Hers must be in Unit 3 or Unit 4 for the exhibit to be considered for State Fair.

A. The name and county of each exhibitor should appear separately on the back of each board, poster or article and on the front cover of the notebooks so owner of exhibit may be identified if the entry tag is separated from the exhibit.
B. Display board should be a height of 24 inches and not to exceed 1/4 inch thick. A height of 23 7/8" is acceptable to allow for the saw kerf (width) is two 24 inch boards are cut from one end of a 4' x 8' sheet of plywood. Nothing should be mounted within 3/4" of the top or bottom of the board.
C. Fabricated board such as plywood, composition board, or particle-type lumber may be used for demonstration displays.
D. Demonstration boards should be sanded and finished to improve their appearance. The finish on a demonstration board will be judged as a woodworking exhibit.
E. Demonstration boards should include an overall title for the display, plus other necessary labeling.

Scoresheet SF91 all classes

Measuring Up – Unit 1

H911555 Woodworking article made using skills learned in the Measuring Up Unit I Woodworking Manual. Examples include: recipe holder, stilts or other skill appropriate items. Items should be entered with construction plans.

Making the Cut – Unit 2

H911666 Woodworking article made using skills learned in the Making the Cut Unit II Woodworking Manual. Examples include: birdhouse, foot stool, napkin or letter holder. Items should be entered with construction plans.

H911667 Woodworking Display: Display exemplifying one of the principles learned in the Making the Cut Manual. Examples include: measuring angles, wood lamination and joint types.

Nailing it Together – Unit 3

H911001* Woodworking Article: Item made using skills learned in the Nailing it Together manual. Examples include: bookcase, coffee table or end table.

H911002* Woodworking Display: Display exemplifying one of the principles learned in the Nailing it Together Project. Examples include: measuring angles, wood lamination and joint types.

H911003* 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 on 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?)

Finishing Up – Unit 4

H911004* 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.

H911005* Woodworking Display: Display exemplifying one of the principles learned in the Finishing It Up Project. Examples include: career opportunities, types of finishes, or dovetailing.

H911006* 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 on 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?)

H911010* Careers: (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.

H911099 Other Woodworking Exhibit- Not eligible for State Fair or for County Fair Division Awards. Must meet guidelines stated in Project Manual.

*State Fair eligible