



# THE OHIO STATE UNIVERSITY

Ohio State University Extension

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May 15, 2023

To: 4-H Members Taking Woodworking Projects

Re: Project Judging Requirements

Dear 4-H Members:

A reminder of the requirements for your project. For county judging, you will be interviewed on your project knowledge and the item that you have made. In addition to the judging interview, you will be required to complete a skill activity prior to your interview. I have enclosed a description of this skill activity. This is the same procedure that is used at the Ohio State Fair. This judging will occur on Wednesday, July 12 at the fairgrounds.

Please practice your skills test prior to the fair. There are times that the project placing is so close that the judges will use the skills test to determine final placings.

For your judging in July, we will supply all the needed wood and tools. You will need to provide your own eye protection. You will be allowed to use your own tools during judging if you wish. **You will need to arrive prior to your scheduled judging time to compete your skills test before you talk to the judge.**

Your skills test should be displayed along with your project during the fair.

*Please follow the guidelines for your specific project. Projects made should be from the project book or be of similar size, use of tools and skills set. Projects not meeting the guidelines of the project will not be considered for state fair. State fair may disqualify projects that do not match the project requirements.*

If you have any questions, please call the Extension Office.

Sincerely,

Elizabeth M. Miller  
Extension Educator, 4-H Youth Development  
Auglaize County

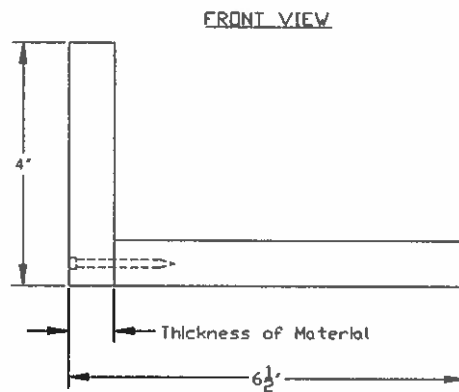
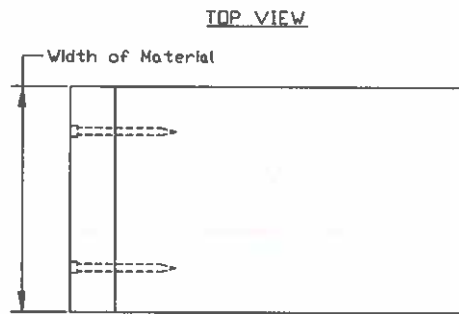
## Skill Project Descriptions

We highly recommend that you practice making your skill project before you come to the fair. The descriptions are:

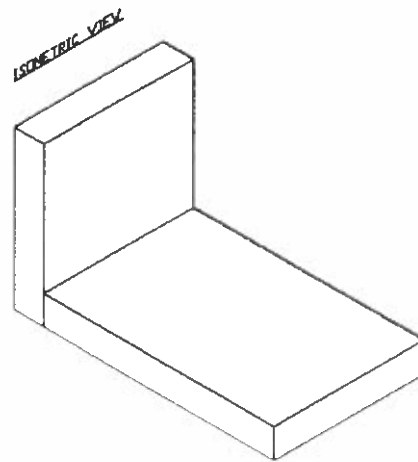
### Project for participants in J-1 and J-2

Given: 1 x 4 stock, 1 workmate bench, 1 hammer, 1 nail set, nails, 1 rule, 1 combination square, 1 crosscut hand saw, glue, 1 small drill bit and 1 cordless power drill will be available.

Cut and assemble two pieces as shown in ten minutes.



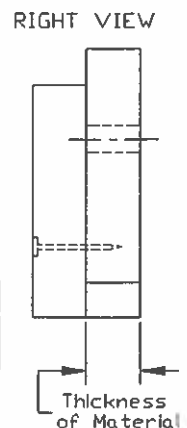
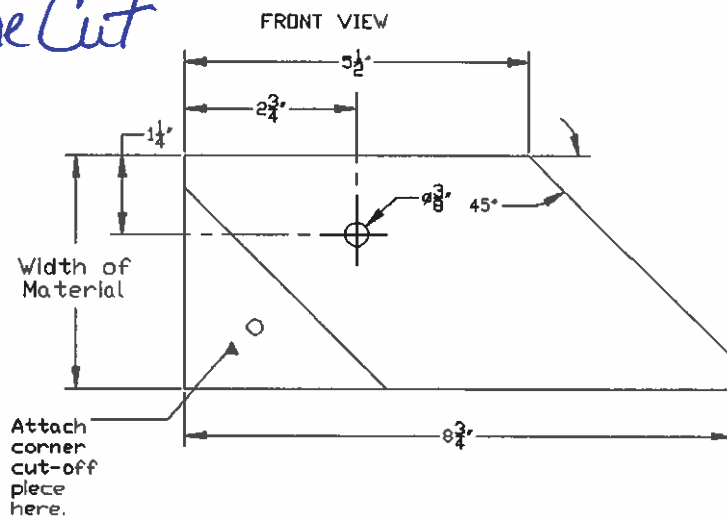
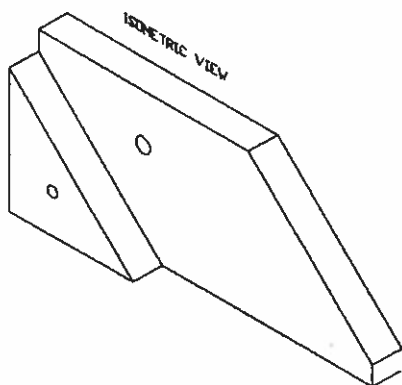
556 - Measuring Up



### Project for participants in J-3 and J-4

Given: 1 x 4 stock, 1 workmate bench, 1 hammer, 1 combination square, 1 crosscut hand saw, 1 steel tape measure, 1 miter box, 1 back saw, wood glue, nails, 3/8 spade bit, 1 cordless power drill will be available. Cut piece as shown and attach corner cut-off with glue and a nail, in ten minutes.

557 - Making the Cut

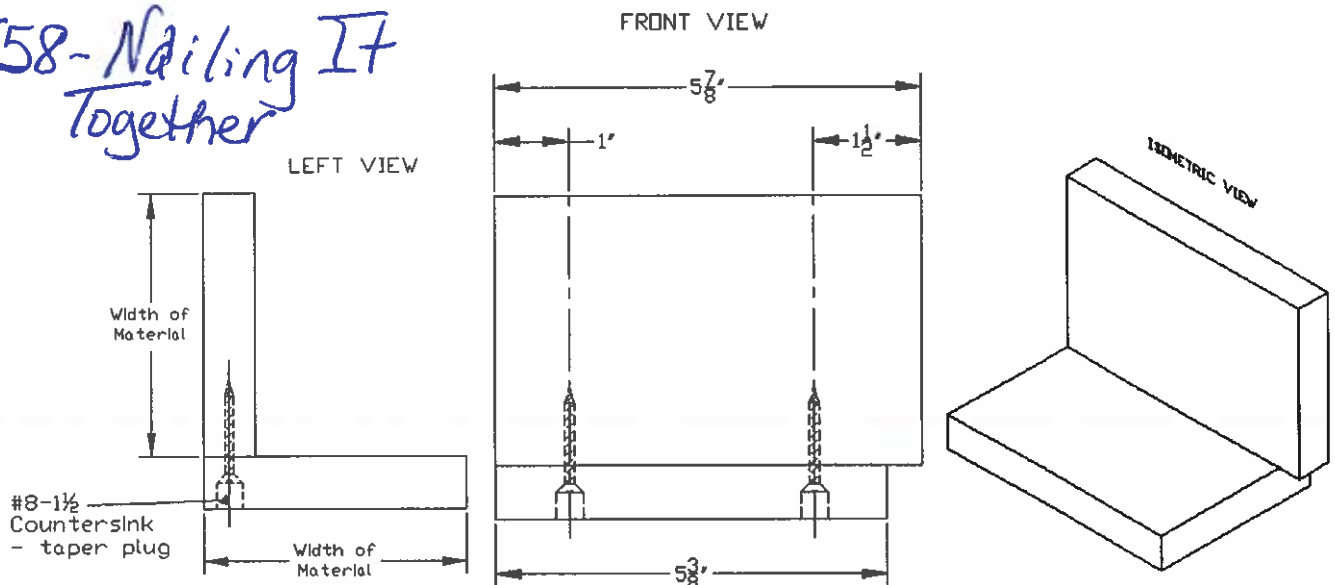


### Project for participants in J-5 and J-6

Given: 1 x 4 stock, 1 workmate bench, 1 steel tape measure, 1 combination square, 1 mallet, 1 crosscut hand saw, 1 screwdriver, 1 1/4" screws, a countersink bit, 3/8" spade bit, wood glue, taper plugs, 1 cordless power drill will be available.

Cut and assemble two pieces as shown in ten minutes.

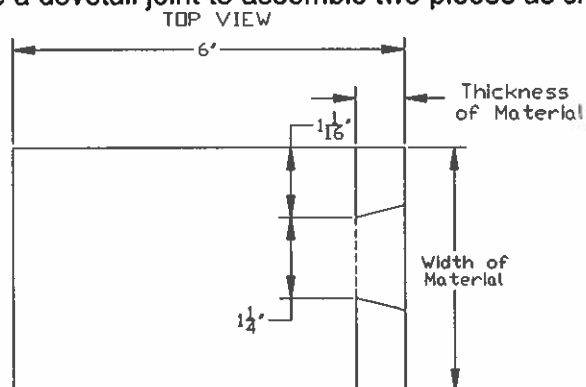
558-Nailing It Together



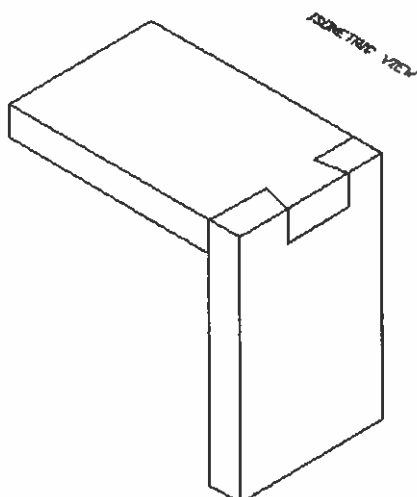
### Project for participants in J-7 and J-8

Given: 1 x 4 stock pre-cut to size, 1 workmate bench, 1 steel tape measure, 1 combination square, 1 sliding T-bevel square, 1 dovetail saw, 1 mallet, and 1 coping saw.

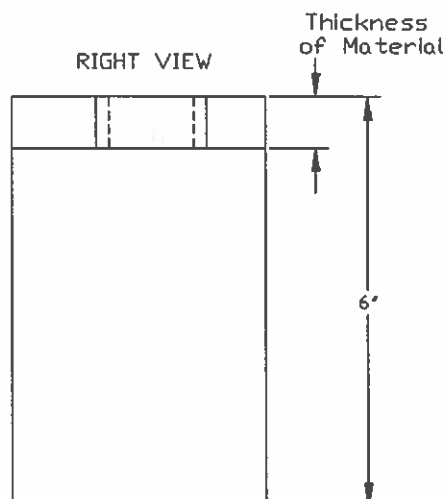
Make a dovetail joint to assemble two pieces as shown in fifteen minutes.



The angle for the Pins and Tails of the dovetail joint is 70-80 degrees.



559-Finishing Up  
560M-Woodworking Master



## CLASSES

For Classes J-1 – J-2, the member is expected to do **90%** or more of the project. The helper may dimension the lumber to the correct width.

- J-1 **Measuring Up – Junior** (age 13 years and under) – **Unit 1**  
Participants should exhibit a project, which shows they have learned how to use hand tools including: All non-power hand tools (hammers, saws, clamps, layout tools, chisels, etc.). Plus, the following power tools **if they have safety instructions and closely supervised by a knowledgeable adult**: power hand sanders, oscillating belt sander, power drills, jigsaw, scroll saw. Decorative finishes are acceptable but will not be evaluated in final woodworking skills judging for this class, e.g. CNC, wood burning, artificial flowers, etc.
- J-2 **Measuring Up – Senior** (age 14 & older) – **Unit 1**  
Same description as above.

For Classes J-3-J-8, the member is expected to do **100%** of the work.

- J-3 **Making the Cut – Junior** (age 13 years and under) – **Unit 2**  
Participants should exhibit a project which shows they have learned how to use tools including: J-1 and J-2 tools, plus the following power tools **if they have safety instructions & closely supervised by an adult**: power miter saw, thickness planer, table saw, cordless trim saw, drill press, power nailing devices, power sander, band saw, biscuit joiner, pocket screw joints. Decorative finishes are acceptable but will not be evaluated in final woodworking skills judging for this class, e.g., CNC, wood burning, artificial flowers, etc.
- J-4 **Making the Cut – Senior** (age 14 & older) – **Unit 2**  
Same description as above.
- J-5 **Nailing It Together – Junior** (age 13 years and under) – **Unit 3**  
Participants should exhibit a project which shows they have learned how to properly use tools in its creation. A member may use a wide variety of non-power and power tools including shaper, radial arm saw, lathe, router/router table, dovetail jig, joiner **if they have safety instructions & are closely supervised by a knowledgeable adult**. Use of advanced joining techniques (mortise & tenon, pocket holes, dovetails, etc.) encouraged if matched to member skills. Projects should demonstrate the member has increased their knowledge and skills over previous projects. Decorative finishes are acceptable but will not be evaluated in final woodworking skills judging for this class, e.g. CNC, wood burning, artificial flowers, etc.
- J-6 **Nailing It Together – Senior** (age 14 & older) – **Unit 3**  
Same description as above.
- J-7 **Finishing Up – Unit 4**  
Participants should exhibit a project which shows they have learned how to properly use tools in its creation. A member may use all non-power and power tools **if they have safety instructions and supervised by a knowledgeable adult**. Project should demonstrate the member has increased their knowledge and skills over previous projects.
- J-8 **Woodworking Master 560M**  
Project should show creativity, proper joinery technique, good layout and design. Projects might include: intarsia, carvings, marquetry, lathe work, original designs and antique furniture reproductions.

## AWARDS

1. All participants shall receive a participation award sponsored by The Ohio State Fair.
2. "Outstanding of the Day" awards will be presented to the top 20% of class participants, sponsored by The Ohio State Fair.
3. The winner of each class will receive a clock trophy. The 2022 event was sponsored by **Frederick D. Pepple, Jackie Stuts, Darke County 4-H Committee, Doug and Cindy Tenney and Bob and Linda Joseph**

### 2022 CLASS WINNERS (Are not eligible to participate in the same class in 2023)

J-01 Measuring Up, Jr	Holden Sutherland, Auglaize
J-02 Measuring Up, Sr	Emma Kuhn, Ross
J-03 Making the Cut, Jr	Molly Daniel, Seneca
J-04 Making the Cut, Sr	Aiden Brunswick, Mercer
J-05 Nailing it Together, Jr	Madelyn Schoenlein, Mercer
J-06 Nailing it Together, Sr	Layton Mullins, Scioto
J-07 Finishing Up	William Bacho, Mahoning
J-08 Advanced Self-Determined Woodworking	Alexandra Bevins, Defiance