

# WOODWORKING

**STATE FAIR ENTRY:** Yes

**EXHIBIT BY:** Division. All \* items must come to project judging.

Division	Project Book	Record Sheet	Skill Sheet
Level 1 (Division 1 - 2)	BU-06875*	BU-06875*	4-H6875d-W*
Level 2 (Division 3 - 4)	BU-06876*	BU-06876*	4-H6875d-W *
Level 3 (Division 5 - 7)	BU-06877*	BU-06877*	4-H6875d-W *
Level 4 (Division 8 - 10)	BU-06878*	BU-06878*	4-H6875d-W *
<p><b>NOTE:</b></p> <ul style="list-style-type: none"> <li>• Complete 3 activities in your project book each year.</li> <li>• 4-H'ers in grade 3 should enroll in Division 1. All other members should enroll in a division suitable for their skill level.</li> </ul>			



**JUDGING TIME:** Saturday, July 17 at 9:00 a.m. Check in your project on Saturday, July 17 between 7:30 and 8:45 a.m.

**PROJECT DESCRIPTION:**

The woodworking project will teach members about the care and use of woodworking tools and equipment, safety precautions, blueprint drawings and finishing procedures. They also learn about different kinds of wood, lumber and fasteners. In the beginning division the 4-H'er will begin by making small, useful articles. As the member advances, he/she will make larger, more difficult projects.

**EXHIBIT:**

**General Instructions:**

1. No pre-cut or prefabricated kits allowed.
2. Each article must be a handmade wooden item.
3. Members should complete 3 activities in the manual for their current project year.

Exhibit one article of choice made during the current 4-H program year demonstrating a minimum of five (5) techniques outlined in the Indiana 4-H Woodworking Tools, Techniques and Skills Chart, 4-H 6875C-W. for your current level. Exhibits may also include lower and/or higher level techniques that have been mastered. Any lower/higher level techniques will not be counted as part of the minimum five, but nevertheless will be evaluated for quality. A woodworking skills sheet is to be submitted with the exhibit for judging. OR, Exhibit a poster on any topic covered in the your manual.

Youth and their mentor/volunteer leader/instructor should use this chart as a guide when deciding appropriate tools and skills to use and incorporate in a woodworking exhibit. While this list is a guide, it is not meant to be an all-inclusive list and youth should demonstrate skills they are most comfortable mastering with tools used.

The "X" indicates suggested level to learn respective skill. Exhibits must include a minimum of 5 techniques from their level indicated in the chart below but may include additional techniques from other levels as deemed appropriate, but nevertheless will be evaluated for quality.

SKILL	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4
<b>SAFETY (Required of all levels and not counted as a Skill or Technique)</b>				
Ear Protection	X	X	X	X
Eye Protection	X	X	X	X
Shop Organization	X	X	X	X
Machine Guards	X	X	X	X
<b>LAYOUT</b>				
Ruler	X			

SKILL	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4
Tape Measure	X			
Square	X			
<b>COMMON TOOLS</b>				
Hammer	X			
Handsaw	X			
Coping Saw	X			
Scroll Saw	X			
Screw Driver	X			
Wood Chisel	X			
Pliers	X			
Hand Plane		X		
<b>POWER TOOLS</b>				
Band Saw	X			
Table Saw		X		
Electric Drill		X		
Radial Arm Saw			X	
Circular Saw			X	
Planner				X
Lathe				X
Jointer				X
Miter Saw				X
Scroll Saw			X	X
<b>MATERIAL SELECTION</b>				
Wood	X			
Wood Products	X			
Plywood	X			
Fiberboard	X			
Synthetic Products			X	X
<b>JOINTS</b>				
Lap Joint	X			
Butt Joints	X			
Basket Joints		X		
Doweled Joints		X		
Mortise and Tenon Joints			X	
Dado Joints			X	
Miter Joint				X
Dovetail Joints				X
Box Joints			X	X
<b>TABLE ROUTING</b>				
Bevels			X	
Dadoing			X	
Rabbeting			X	
Planing				X
Jointing				X
<b>FASTENERS</b>				
Screws	X			
Nails	X			
Bolting	X			
Gluing	X			
Pocket Hole Fasteners		X		
Brad Nailer				X

SKILL	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4
<b>FINISHING</b>				
Sanding	X			
Penetrating Finish	X			
Painting	X			
Varnishing		X		
Spraying				X
<b>FREEHAND ROUTING</b>				
Bevels			X	
Dadoing			X	
Rabbeting			X	
Planning				X
Jointing				X