

St. Joseph County 4-H

4-H WOODWORKING PROJECT GUIDELINES



Resources Available:

Members:

- 4-H Bulletin 1362, Unit 1: Working with Wood and Tools
- 4-H Bulletin 1190, Unit 2: The Wonderful World of Wood
- 4-H Bulletin 1363, Unit 3: Building Bigger Things
- 4-H Bulletin 537, 4-H Woodworking Plans

Leaders:

- 4-H Bulletin 1364, 4-H Wood Science Leaders Guide

Project Objectives:

1. To develop an appreciation for woodworking as a practical art or vocation.
2. To learn appropriate construction uses of different species of wood.
3. To learn safe, proper use of woodworking tools and related items.
4. To learn how to prepare wood for finishing, and to select the proper finish for the intended use of the project constructed.

Project Rules:

1. 4-H member ages are as of January 1 of the year the project will be exhibited at fair.
2. Use of woodworking kits is discouraged due to objectives as noted above.
3. Project work must be done by 4-H member, with limited "how to" assistance provided by an adult as appropriate for age/experience level.
4. Article is to be "finished" as appropriate for its intended use.
5. Articles will be judged according to the requirements of a given exhibit level.
6. **Adult approval required for the following:**
 - A. Selection of article to be constructed.
 - B. Selection of tools to be used by member in constructing article, with safety being the primary concern to be taken into consideration regarding tool selection approval.
EXCEPTION: Pre-approved tools listed under Beginner level (and referred to under Intermediate and Advanced levels) do not require approval.
 - C. Selection of finish(s) to be used on article constructed.

EXHIBIT LEVELS/REQUIREMENTS:

BEGINNER LEVEL = 4-H members 8-11 years old by January 1.

- 1st – Year in Woodworking (ever): Construct one (1) article using any of the following pre-approved hand and simple power tools. Adult approval required for use of more advanced tools than those listed.

| | | |
|----------------------|-------------|-----------------------------------|
| Brace and bit | Miter Saw | Tri-Square |
| Chisel | Hammer | Sandpaper |
| Portable Elec. Drill | Hand Saws | Screwdrivers |
| Planer | Drill Press | Vibrating or Reciprocating Sander |

- **2nd – Year/3rd – Year Beginner:** Construct one article. Increase knowledge and skills used over previous year(s) using the following pre-approved tools.

| | | |
|----------------------|-------------|-----------------------------------|
| Brace and bit | Miter Saw | Tri-Square |
| Chisel | Planer | Hammer |
| Portable Elec. Drill | Sandpaper | Hand Saws |
| Screwdrivers | Drill Press | Vibrating or Reciprocating Sander |

Plus any of the following power tools with ADULT approval:

| | | |
|----------|-----------|---------|
| Band Saw | Table Saw | Jig Saw |
| Router | Saber Saw | |

INTERMEDIATE LEVEL = 4-H members 12-14 years old by January 1.

- **1st Year in Woodworking (ever):** Construct one (1) article using the same pre-approved tools listed under 2nd - 3rd year above. Use of any of the (4) types of power saws and/or router listed under 2nd - 3rd year Beginner and/or any other power tool not listed requires adult approval.
- **Other than 1st year in Woodworking:** Construct one (1) article showing increase in skills development over previous years using the pre-approved tools listed under 2nd – 3rd Year Beginner above. The following power tools may also be used with adult approval:

| | | |
|-----------------------|---------|-------------|
| Any type of Power Saw | Router | Drill press |
| Belt and Disk Sander | Planner | Jointer |

ADVANCED LEVEL: 4-H members 15-19 years old by January 1.

- **1st Year in Woodworking (ever):** Construct on (1) article using the same pre-approved tools listed under 2nd - Year/3rd – Year Beginner above. Use of any of the four (4) types of power saws and/or any other power tool not listed requires adult approval.
- **Other than 1st – Year in Woodworking:** Construct one (1) article showing increase in skills development over previous years. Any type of power tool may be used with adult approval
- Large articles that will be difficult to transport to Building NO. 43 on the fairgrounds on the day of judging may be delivered to Building NO 43 the evening prior to judging with the approval of the 4-H Youth Agent **(You must call 269-467-5521 before delivery!)**
- If article made is too large to be brought to fair for judging, it may be exhibited under Department 83 (Home Design) Class # 72090.