



COLORADO STATE UNIVERSITY
EXTENSION

4-H



WOODWORKING

General/Natural
Resources Projects



If you enjoy working with wood and using tools to build things, then this is the project for you. Can you see yourself someday building a table, wood toy or a chair? As a beginning woodworker, you can build many objects. As your skills grow, you will be able to make most of the objects in your house or even build a home! No matter what you make, the joy of completing a woodworking project is the greatest. Through the wonders of working with wood, you will re-discover the natural curiosity and creativity of your early years by building and constructing items using woods and a wide variety of woodworking tools. From the basic skill of measuring to using advanced equipment such as routers and jointers, this project has something for everyone.

Resources

- MC2001 Measuring Up
- MC2002 Making the Cut
- MC2003 Nailing it Together
- MC2004 Finishing Up
- Woodworking Tip Sheet
- Woodworking e-record
- Woodworking Score Sheet
- State Fair Exhibit Requirements

Measuring Up Unit 1 Jr./Int./Sr.	Making the Cut Unit 2 Jr./Int./Sr.	Nailing it Together Unit 3 Jr./Int./Sr.	Finishing Up Unit 4 Jr./Int./Sr.
<p>This unit is designed for members ages 8-18 years old.</p> <p>This unit is appropriate for youth with little or no woodworking experience.</p> <p>Members will accomplish the following learning experiences:</p> <ul style="list-style-type: none"> • Learn how to organize your shop • Learn how to identify woodworking tools • Practice woodworking safety • Learn how to measure and mark boards, use a square, and use a hand drill • Learn how to use a hand saw • Identify different types of nails and screws • Make a sandpaper block • Construct a butt joint and use a hammer safely 	<p>This unit is designed for members ages 8-18 years old. This unit is appropriate for youth of any age who may have used a hammer, hand saw, hand or cordless drill, or other basic hand tools.</p> <p>Members will accomplish the following learning experiences:</p> <ul style="list-style-type: none"> • Learn how to select wood based on grain • Recognize the difference between plywood and fiberboard • Learn how to develop a plan • Learn how to use a combination square and make a miter cut • Learn how to make a curved cut using a jig saw • Learn how to use a sander • Learn how to identify types of woodworking tools and much more! 	<p>This unit is designed for members ages 8-18 years old. This unit is appropriate for youth who are competent with hand tools and have used a few basic power tools such as a power drill, drill press, jig saw, and power sander.</p> <p>Members will accomplish the following learning experiences:</p> <ul style="list-style-type: none"> • Learn how to stay current with technology • Explore career opportunities • Learn how to use a T-bevel • Learn how to use a powered circular saw and a radial arm saw • Learn about hinges, hasps, and flush plates • Understand the difference between various clamps • Learn how to use various types of wood stains and much more! 	<p>This unit is designed for members ages 8-18 years old. This unit is appropriate for youth who feel competent using power tools such as a table or radial arm saw, drill press, and a jig saw.</p> <p>Members will accomplish the following learning experiences:</p> <ul style="list-style-type: none"> • Design a woodworking shop • Learn more about potential careers • Develop a woodworking plan • Use a router, jointer, portable planer and scraper • Learn mortise and tenon and dovetail joints and compare adhesives • Learn how to use bleaches and strippers • Learn how to build a wood vehicle, hockey board, step stool or chair, and much more!