WOODWORKING

WHAT'S IT ALL ABOUT?

Have you ever wanted to make something with wood? This project is an opportunity for you to create and construct items using wood and woodworking tools. From the basics of using a tape measure and a hammer to advanced equipment like routers and table saws, there is something for everyone. Have fun by learning new things and creating useful items.

HERE'S WHAT YOU CAN LEARN...

STARTING OUT

* Identify woodworking tools and their functions
* Demonstrate safety techniques
* Learn about potential careers
* Understand how to use a bill of materials
* Understand the uses for different types of lumber
* Learn what a miter cut is and why you would use it
* Understand different sanding techniques
* Select a proper finish

LEARNING MORE

* Be able to spot a safe work area
* Learn the different qualities of woods
* Measure and mark boards
* Use a hammer to pound and pull nails
* Identify types of nails
* Properly use wood glue
* Construct a butt joint
* Learn proper painting techniques
* Enhance your knowledge and use of power tools

GOING FURTHER

* Learn about hinges, hasps, and flush plates
* Use clamps properly
* Make a dowel joint
* Make a dado joint
* Use various types of stains
* Learn to use a T-bevel
* Understand how to enlarge scale-drawn plans
* Learn the proper use of laminated woods
* Know the grades of plywood

RESOURCES

* Measuring Up *06875*
* Making the Cut *06876*
* Nailing It Together *06877*
* Finishing Up *06878*
* Woodworking Helper's Guide *06879*

TAKE IT FURTHER!

* Do an inventory on the type of woodworking products that are being sold in your community

* Shadow someone with a job related to woodworking

* Hike the woods to identify different types of trees that produce woods you are using

* Conduct a woodworking skillathon for your club or community

* Tour a cabinet-making shop or a saw mill

* Visit a furniture store to identify furniture that is made from different types of wood

* Visit a lumber yard to price project materials

* Visit a paint or hardware store to learn more about different tools and paints.

* Visit a woodworking shop

* Visit your local library to pick up plans for your projects. Check out books related to woodworking

* Create a plan and budget to build your workshop. and tool storage

EXHIBIT IDEAS

* Create a project made from wood

* Sample of ten different kinds of lumber

* A display of different types of finishes

* A poster of woodworking tools

* A display on types of nails and/or screws

* A poster on different sandpaper grits and what they are used for

* A display on the changes in woodworking equipment over the last 50 years

* A poster on different types of joints and when you might use each type

* A cost analysis of different types of woodworking equipment

* A display of tree leaves and twigs and what types of woods come from each tree

ENHANCE YOUR COMMUNICATION SKILLS

Give a presentation about types of wood

Give a demonstration about different types of fasteners and where they might be used

GET INVOLVED IN CITIZENSHIP AND SERVICE

Make birdhouses for your local park or conservation department

Repair furniture for a local second hand shop

LEARN ABOUT LEADERSHIP

Conduct a woodworking workshop or meeting

Start your own business, make items out of wood to sell to others

Host a woodworking activity center where 4-H and community members can learn basic woodworking skills

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