

Wood Products Manufacturing
2 Term Course
Pre-requisites would be
Wood Technology
Introduction to Construction & Manufacturing
Mr. Barron

Objective:

This course is for the advanced student who wants to study and possibly make the wood industry a career. This will get in-depth with wood as a natural material and the processes it goes through to become a finished product. A product will be researched, designed, and constructed to a professional quality standard as a means to practice and gain the skills, problem-solving and knowledge that one would need to choose the wood industry as a career. This course will be associated with *WoodLINKS-USA*. *WoodLINKS* is a nation wide organization which works with high schools/ industries / and business partners in the woodworking manufacturing fields. The purpose of this organization is to insure the students and parents are knowledgeable about the wood industry and the exciting, high growth potential careers it offers.

At the successful completion of the course there will be an opportunity to take a certification test which would give the student upon successful completion a national standard for entry-level employment in the North American wood industry. The cost of this test is \$50 for each individual that takes it. It may be possible for the class to raise the money required for each individual to take the test. This would be a class option and all monies raised would be put toward the certification test.

Course Concepts:

Personal skills which include communications, team work, safety and stress management.

Business skills which include identifying products, marketing, distribution and management.

Manufacturing skills including materials, processes, and management

Citizen skills including human and natural resource management

Expectations of the Course:

Upon completion of this course students will be able to:

Describe the wood products industry and the types of career options this sector offers them.

Demonstrate the skills necessary to make a successful transition to post-secondary woods products programs at the technical college or university level.

Demonstrate the skills necessary for entry level positions with wood product companies.

Show the ability to work closely with a partner or small group to design and build a wood product for a client (or) If a mountain dulcimer is selected as a product, at the completion this can be purchased or they will be donated to a worthy cause.

Manage resources and time to build a **quality piece** of furniture, cabinet, case or table for a client or the student them.

Successfully complete a practical skills checklist dealing with the following: Listening skills, team skills, conflict resolution skills, problem solving, shop safety to include portable power tools, and woodworking machines.

Content Organizers:

Introduction to Wood Products
Primary Wood Manufacturing
Secondary Manufacturing
Woodworking Training and Skills
Characteristics of Wood and Grading
Ecological Impacts and Recycling
Cabinet Maker
Marketing - Developing a Plan
You're Future in Woodworking