

# **Woodworks**

## **Designed by**

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The Wood Works curriculum will provide an opportunity for students to gain insight into a manufacturing facility for the timber industry. They will receive real life training as a production worker and a production supervisor. The training will include engaging activities on units of forestry, workplace safety, employability skills, and mathematics in the work place, OSB and Plywood production, and Tools and Equipment usage in the workplace.

## **Table of Content**

Forestry  
Safety  
Employability  
Applied Mathematics  
Tools and Equipment  
Product Design

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## **Content Guideline**

(The Student will be able to...)

### **Unit one- Forestry**

- Identify and plot trees found in Louisiana
- Identify the life of a pine tree
- Complete research paper and display for competition
- Design poster and booklet describing the OSB process
- Design poster and booklet describing the plywood process

### **Unit two- Safety**

- Describe the elements of a safety program
- Complete an SOP
- Define OSHA and the required training
- Identify safe and unsafe conditions/behavior
- Design safety signs for indentified unsafe areas of school grounds
- Complete a safety audit

### **Unit three- Employability**

- Role-play responsible behaviors in a variety of typical interactions in a work place
- Complete a resume
- Complete a job application
- Complete an interview with appropriate appearance, behaviors, and responses
- Identify careers within the wood industry and requirements for each

### **Unit four- Applied Mathematics**

- Measure a variety of OSB products and construct an OSB board using precise measurements
- Measure a variety of plywood products and construct a plywood board using precise measurements
- Calculate the pay in 5 year intervals until retirement for a specific position in the wood industry
- Calculate the company's loss if the production goal is not met
- Determine the quality of a board and the solution to meet specifications

## **Unit five- Tools and Equipment**

Identify and use the basic tools found in most tool boxes

Identify basic power tools found in most maintenance shops

Identify all mobile equipment used in most manufacturing environments and its safety requirements

Identify the major responsibilities of millwrights and the typical tools required for their field

Identify the major responsibilities of electricians and the typical tools required in their field

## **Unit six- Product Design**

Design a new product with OSB

Design a new product with Plywood

Design a marketing plan for a new product