

# Unit 8: Occupations in the Woodworking Industries

Content Area: **Applied Technology**  
Course(s):  
Time Period: **Marking Period 1**  
Length: **1 Week**  
Status: **Published**

## **Brief Summary of Unit**

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Students will learn about the many occupational opportunities available to today's woodworkers. They will learn about the college and /or technical education needed for these careers. Students will learn about the occupational outlook for these careers in terms of salary, future training, and longevity.

Revised July 2023

## **Essential Questions/Enduring Understandings**

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### **Essential Questions**

What is a "woodworking industry"?

What are the entry-level skills needed to obtain a position in the woodworking industry?

### **Enduring Understandings**

The woodworking industry includes the manufacturing and design of woodworking machinery.

The wood science industry requires advanced training or degrees but offers the greatest potential for earnings.

## **Objectives**

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### **Students will know**

what is meant by the term "woodworking industry".

that the wood and forest product industries offer a tremendous range of career opportunities.

the woodworking industries continue to steadily increase in importance and popularity.

wood is a natural resource that is renewable; therefore the occupational outlook is not limited by shortage of

materials.

what entry-level skills are needed to enter a woodworking field

there are many opportunities available in the woodworking industries

forestry management is more than making the most of a tree. It also provides for growing more trees faster on existing land.

the United States produces more than 1/3 of the world's lumber.

more than 5000 industrial woodworking companies are located throughout the U.S., employing many semi-skilled employees.

## **Learning Plan**

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Preview the essential questions and connect to learning throughout the unit.

Introduce the essential questions and new vocabulary.

Present lesson on woodworking occupations.

Introduce the "Occupational Outlook Handbook"

Present the lesson on careers in the woodworking industry.

Utilizing the Internet, compare and contrast various occupations listing their pros and cons.

Read and discuss the relevant selections in the woodworking textbook.

Writing prompts as homework, sharing, and evaluation in class.

Have students construct and create a spreadsheet showing various woodworking jobs listing their entry-level skills as well as their salary.

Allow students to work independently to research careers using the computer and the Internet.

## **Assessment**

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### **Formative Assessment**

Do Now Questions

Exit Tickets

Research on various woodworking careers.

Participation in class discussions

### **Summative Assessment**

Quiz on careers

Presentation and research paper on a career of interest in the industry

### **Benchmark Assessment**

Final Exam

### **Alternative Assessment**

Poster or brochure on careers in woodworking

### **Materials**

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Woodworking Textbook

Occupational Outlook Handbooks

Internet

### **Standards**

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LA.RI.11-12.4	Determine the meaning of words and phrases as they are used in a text, including figurative, connotative, and technical meanings; analyze how an author uses and refines the meaning of a key term or terms over the course of a text (e.g., how Madison defines faction in Federalist No. 10).
LA.RI.11-12.5	Analyze and evaluate the effectiveness of the structure an author uses in his or her exposition or argument, including whether the structure makes points clear, convincing, and engaging.
LA.RST.11-12.2	Determine the central ideas, themes, or conclusions of a text; summarize complex concepts, processes, or information presented in a text by paraphrasing them in simpler but still accurate terms.
LA.RST.11-12.4	Determine the meaning of symbols, key terms, and other domain-specific words and phrases as they are used in a specific scientific or technical context relevant to grades 11-

	12 texts and topics.
LA.RST.11-12.7	Integrate and evaluate multiple sources of information presented in diverse formats and media (e.g., quantitative data, video, multimedia) in order to address a question or solve a problem.
CRP.K-12.CRP8	Utilize critical thinking to make sense of problems and persevere in solving them.
CAEP.9.2.12.C.3	Identify transferable career skills and design alternate career plans.
TECH.9.4.12.CI	Creativity and Innovation
TECH.9.4.12.CI.1	Demonstrate the ability to reflect, analyze, and use creative skills and ideas (e.g., 1.1.12prof.CR3a).
TECH.9.4.12.CI.2	Identify career pathways that highlight personal talents, skills, and abilities (e.g., 1.4.12prof.CR2b, 2.2.12.LF.8).
TECH.9.4.12.CI.3	Investigate new challenges and opportunities for personal growth, advancement, and transition (e.g., 2.1.12.PGD.1).
TECH.9.4.12.CT	Critical Thinking and Problem-solving
TECH.9.4.12.GCA	Global and Cultural Awareness
TECH.9.4.12.IML	Information and Media Literacy

### **Suggested Strategies for Modification**

[https://docs.google.com/spreadsheets/d/1gk0WLBehVNuQkRKLMYATvY5Zk0vpdBKbdrcODZS\\_YFw/edit?usp=sharing](https://docs.google.com/spreadsheets/d/1gk0WLBehVNuQkRKLMYATvY5Zk0vpdBKbdrcODZS_YFw/edit?usp=sharing)