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

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

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

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

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

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

Woodworking Textbook

Occupational Outlook Handbooks

Internet

Standards

9.4.12.CI	Creativity and Innovation
9.4.12.CI.1	Demonstrate the ability to reflect, analyze, and use creative skills and ideas (e.g., 1.1.12prof.CR3a).
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).
9.4.12.CI.3	Investigate new challenges and opportunities for personal growth, advancement, and transition (e.g., 2.1.12.PGD.1).
9.4.12.CT	Critical Thinking and Problem-solving
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.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.11-12.7	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.
9.4.12.GCA	Global and Cultural Awareness
9.4.12.IML	Information and Media Literacy
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.

Suggested Strategies for Modification

https://docs.google.com/spreadsheets/d/1gk0WLBehVNuQkRKLMYATvY5Zk0vpdBKbdrcODZS_YFw/edit?usp=sharing