Unit 1: Safety

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

Summary

Students will learn the importance of following safety protocols. While working in the woodshop students will wear eye protection along with other types of personal protection as needed. They will learn the procedures to follow in the event of a personal injury or injury of a fellow student. They will understand the importance of being safety-minded at all times. Students will understand that a safe shop depends on everyone working safely. Students will learn that power machinery is inherently dangerous and the utmost care must be used when operating machinery. Students will understand that their safety depends on their being alert at all times. Students will learn that advanced woodworking techniques require additional safety measures.

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Objectives

Students Will Know:

safety procedures and danger areas in the woodshop

shop safety rules and regulations for working in the shop

the location of all safety-related equipment.

the proper disposal of hazardous materials.

accidents happen and what procedures to follow when they do.

safe handling procedures for tool operation.

Students Will Be Skilled At:

performing hands-on demonstrations of location and use of safety equipment.

demonstrating safe work habits.

reading and understanding safety procedures

identifying safety concerns in the classroom.

safe handling procedures for lifting lumber, carrying lumber, and operating power and hand tools

Learning Plan

Preview the essential questions and connect to learning throughout the unit.
Present a lesson on shop safety and identify the major hazards in the woodshop.
Introduce essential questions and key vocabulary words.
Have students use the Internet to research common school shop accidents and present their findings to the class.
Have students research the most common injuries in school shops and how they can be avoided.
Have students establish a list of safety rules and post it in a conspicuous location in the room.
Have students self-evaluate their own safety habits.
Advise the students about preventative safety procedures with an emphasis on reporting hazards.
Have students work cooperatively to develop a list of safety procedures.
Read and discuss relevant selections from the woodworking textbook.
Writing prompt and evaluation.
Quiz

Assessment

Formative Assessment

Participation in safety discussions.

Demonstrate proper safety in the classroom

Exit Ticket

Do Now questions on safety

Summative Assessment

Safety Quiz

Poster on Safety Precautions

Group presentation on a common shop injury

Benchmark Assessment

Midterm Exam

Final Exam

Alternate Assessment

Presentation on a particular safety hazard or precaution

Materials

Woodworking Textbook

Machinery and tools in the shop

safety equipment such as emergency shut-offs, fire extinguishers, safety glasses, smocks, and gloves.

Standards

P.3	Communicating clearly and effectively (verbal and nonverbal)
P.7	Making decisions
P.8	Managing-self
P.10	Using technology tools responsibly
8.2.12.ED.5	Evaluate the effectiveness of a product or system based on factors that are related to its requirements, specifications, and constraints (e.g., safety, reliability, economic considerations, quality control, environmental concerns, manufacturability, maintenance and repair, ergonomics).

Suggested Strategies for Modification