Unit 1 : Safety

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

Brief Summary of Unit

Students will learn basic safety protocols for the automotive shop. They will learn the location of safety equipment such as the emergency shut-offs, fire extinguishers, fire blankets, eye wash station, and first aid kit. Safe operation of lifts, and other automotive equipment.

Revised: July 2023

Essential Questions/ Enduring Understandings

Essential Questions

- Why are safety procedures to be followed when working in and around shop equipment?
- Why is it important to know the dangers of the shop and the procedures if an accident occurs?

Enduring Understandings

- Safety is the number one priority in the shop.
- Proper use of personal safety attire will prevent personal injury.
- Proper disposal of waste produced in the automotive shop is essential to minimizing contamination of the environment.

Objectives

Students Will Know

- safety procedures and dangerous areas of the shop
- the location of all safety-related equipment
- how to correctly access and use safety equipment
- how to properly dispose of hazardous materials

Students Will be Skilled

- performing a hands-on demonstration of the location and use of safety equipment.
- demonstrating safe work habits

Learning Plan

- Preview the essential questions and connect to learning throughout the unit
- Group discussions on the importance of safe work habits and why good safety habits should be developed early. The discussion will also focus on what safe work habits are and how to practice them.
- Modern Automotive Technology workbook and textbook assignments.
- Hands-on job sheet on automotive shop procedures and proper use of equipment.
- Writing prompt on safety.
- Test on safety.
- Closing discussion on safety.

Assessment

Formative

- Answer essential questions
- Participate in class discussions regarding safety rules and procedure
- Demonstrate proper safe work habits daily.

Summative

- Unit Test and Quizzes on Safety

Benchmark

- Test on safety procedures and disposal of hazardous materials.
- Final Exam/Mid Term Exam

Alternative

- Verbal test
- Power point the student created that shows an understanding of safety.

Materials

- Textbook: Modern Automotive Technology
- Shop/Customer Vehicles

- Automotive Lifts and Equipment
- Recycled/New Automotive Components
- All Data (Online Automotive Diagnostic Tool)

Suggested Strategies For Modification

https://docs.google.com/spreadsheets/d/1uiLPbTXK4FZS_Pj1-X11O_BGMLz19ri5fVsil6XbSy0/edit?usp=sharing