Unit 1 Safety

Content Area: **Applied Technology**
Course(s):
Time Period: **Marking Period 1**
Length: **2 class periods**
Status: **Published**

Summary of Unit

Students will review the safety protocol for the automotive shop. They will review 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 shop equipment.

July 2022

Standards

	Different types of jobs require different knowledge and skills.
P.5	Utilize critical thinking to make sense of problems and persevere in solving them.
P.9	Work productively in teams while using cultural/global competence.
LA.RI.11-12	Reading Informational Text
	Integration of Knowledge and Ideas
	Integration of Knowledge and Ideas
LA.W.11-12	Writing

ESESSENTIAL QUESTIONS/ ENDURING UNDERSTANDINGS

Essential Questions

- Why do we practice safety procedures, and why is proper attire important?
- What knowledge of equipment and tool operation is essential to maintain a safe learning environment?
- What is the primary concern when working in an automotive shop and why?

Enduring Understanding

- The importance to know the location of safety exits, fire extinguishers, emergency shut offs, fire blankets, eyewash station, call button, and first aid kit.
- The importance of proper disposal of hazardous waste.
- That it is important to know how and when to use emergency equipment

LEARNING PLAN

- Teacher led discussions.

- Hands on Job Sheets on component location, operation, and repair.
- Review of the chapter on Shop Safety in the text and workbook Modern Automotive Technology.
- Written tests and writing prompts on relate topics.
- Group discussions and essential questions throughout lesson.

ASSESSMENT

Summative

Written test on Safety

Hands on Job Sheets

Written Essay

Formative

Verbal questioning during Hands-on Job Sheets

Visual Observations

Alternative

student presentation on safety: ex use of tools, location of emergency items, safety procedures

Benchmark

Midterm/Final Exam

MATERIALS

Text Book; Modern Automotive Technology

Job Sheets

Visual aids

Videos

Shop vehicles

All Data Automotive Internet Program

Google

Electrical, Pneumatic, and Hydraulic tools

Various hand tools

OBJECTIVES

STUDENTS WILL KNOW…

- Safety procedures for the automotive shop and understand / practice shop safety procedures.
- The location of safety exits, fire extinguishers, emergency shut offs, fire blankets, eyewash station, call button, and first aid kit.
- The proper use of automotive chemicals.
- The proper use of personal safety attire.
- The proper disposal of oily rags and other chemicals used in the automotive shop.

STUDENTS WILL UNDERSTAND THAT…

- Safety is the number one priority in the shop.
- Proper use of personal safety attire will prevent personal injury.
- Proper use of automotive equipment is essential to preventing accidents.

Accomodations

https://docs.google.com/spreadsheets/d/1CvoX6NXdGUPtTPcEqPOsnWbqpDLS4Ego1W1eaIrGYTo/