

# Unit 1 Safety

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

## Summary of Unit

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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

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

## ESSENTIAL QUESTIONS/ ENDURING UNDERSTANDINGS

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### 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

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- 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**

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### **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**

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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**

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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**

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