

Merced County ROP: Standards-Based Lesson Plan

LESSON PLAN INFORMATION:

Course Name	Teacher Designer	Time Allocation
Automotive and Transportation Services	Phil Jenkins & Rod McCombs	1 class session

Lesson Title	Unit Title and Number
Safety in the Auto Shop/Laboratory Environment	Intro to Automotive Technology

CONTENT AND ACADEMIC STANDARDS

Career Technical Standard(s) for Transportation Industry Sector	<ul style="list-style-type: none">• C1.0, C1.1, C1.2, C1.5• C2.0, C2.1, 2.2, 2.3
Physics/Science Standard(s)	Education code 51202: Instruction in personal and public health and safety

LESSON PLAN COMPETENCIES (FROM COURSE OUTLINE)

<ul style="list-style-type: none">• Demonstrate and ability to understand and follow common safety fundamentals, practices, techniques• Describe the typical layout and sections of an auto shop.• List the types of accidents that can occur in an auto shop.• Explain how to prevent auto shop accidents.• Describe general safety rules for the auto shop.

LESSON PLAN OBJECTIVES (SUB LEARNING GOALS)

The learner will: <ul style="list-style-type: none">• Evaluate typical auto shop sections and layout• Identify safety hazards in the auto shop• Examine measures to prevent common shop accidents• Explain general safety rules for the auto shop
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KEY VOCABULARY

<ul style="list-style-type: none">• Repair area• Shop stall• Lift• Asphyxiation• Respirators• Ground prong• Asbestos
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INSTRUCTIONAL MATERIALS REQUIREMENTS

Teacher Needs	<ul style="list-style-type: none">• Safety video• Textbook with teacher resources• Whiteboard and markers• Auto shop with vehicles• Safety Test
Student Needs	<ul style="list-style-type: none">• Textbook• Auto shop with vehicles• Safety Test

ESSENTIAL QUESTIONS FOR THE LESSON: Resource Available

<ul style="list-style-type: none">• What are the most common types of auto shop accidents?• What safety fundamentals can help prevent common auto shop accidents?
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FOUR-STEP LESSON PLAN: Describe the lesson in detail: Resource Available

Introduction	<ul style="list-style-type: none">• The students will view the safety in the auto shop video: "Working in the Auto Shop"
Presentation	<ul style="list-style-type: none">• We will use guided instruction while viewing the safety video and while reviewing Ch. 5 in the Modern Automotive Technology text book: "The Auto Shop and Safety"
Application	<ul style="list-style-type: none">• The students will be taken out into the auto shop and will point out the different areas in the shop• The students will identify various potential safety hazards in the shop
Testing and Assessment	<ul style="list-style-type: none">• The students will take and pass the Auto Safety Test with 100% proficiency