

Auto Shop 101 Spring/Fall 2021-2022 CVCA

Instructor: Paul Maynard

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Recommended Grade level: 9-12

Meeting times and place: Every other Friday 8AM-noon (students will have time for breaks and a lunch) Starting September 10, 2021. This class is held at the instructors house in Beaumont, CA

Elective Unit 5 per semester

Class Cost \$30

Requirements: Access to google classroom provide, student with latex/nitrile gloves and safety glasses or \$30 a semester for materials and I will have them.

Attire: no loose fitting clothes, must wear closed toe shoes, no jewelry

### **What is Auto Shop 101**

This course will cover a general knowledge of an automobile, repairs and ownership. Methods of teaching are direct instruction and hands-on labs for first hand experience.

### **Course Objectives**

In this course the student will 1) engage in lively discussion regarding auto repair and maintenance 2) have hands on experience with vehicles 3) develop critical thinking skills through on hand training, assessments and evaluations 5) develop and or advance lab skills

### **Course of Study**

#### Module 1

Intro to autos, classroom safety, car safety, basics of how cars run

#### Module 2

Basic knowledge of auto care, Interior upkeep, Fluids, lubrication system

#### Module 3

Basic Electrical, battery & charging system, computer systems

#### Module 4

Basic fuel system, CNG, Electric, Hydrogen, Gas, Diesel

#### Module 5

Basic fuel system, CNG, Electric, Hydrogen, Gas, continued

#### Module 6

Basic fuel system, CNG, Electric, Hydrogen, Gas, continued

#### Module 7

Brake system, and tires

Module 8

Suspension and alignment

Module 9

Common car problems, emergency roadside service, recalls

Module 10

Emissions, exhaust

Module 11

Emissions, exhaust, continued

Module 12

Emissions, exhaust, continued

Module 13

HVAC system

Module 14

Auto Expenses, Purchasing a car, Repair facilities

Module 15

Review

Module 16

Final Assessment

**Grading (percentage)**

- Assignments will need to be uploaded to the google classroom.
  - Assignments - 30
  - Class participation/labs - 50
  - Quizzes/Tests - 20
  
- Students will receive 1 progress report at the end of the first semester and a grade at the end of each semester.

**Student Responsibilities**

- Follow class Schedule and turn in assignments on time
- Attend class and participate
- Treat other classmates with grace
- Show respect to all authority during classes

**Parent Responsibilities**

- Contact teacher if there are questions or concerns
- Keep student on track with class as needed
- Remind student of behavior policy as needed
- Take student to and from class