Unit 8 SUSPENSION

Content Area: **Applied Technology**
Course(s):
Time Period: **Marking Period 1**
Length: **10 - 15 class periods**
Status: **Published**

Brief Summary of Unit

In this unit students will expand on their knowledge of the Automotive Suspension System. After teacher lead discussions and presentation of the modern Automotive Suspension System, students will perform a variety of tasks pertaining to different automotive suspension system concerns. Students will perform suspension system related maintenance, and repairs for staff and community members vehicles. They will be required to use computer based software and textbooks for reference material, and collaborate with team members to diagnose and repair noted concerns. The objective of this unit is instilling confidence in the student's critical thinking and diagnostic ability, their problem solving skills, and ability to function in a group environment.

July 2022

ESESSENTIAL QUESTIONS/ ENDURING UNDERSTANDINGS

ESSENTIAL QUESTIONS

- What is the function of the Automotive Suspension System and how do the separate components work together it achieve this?
- What are the different types of an Automotive Suspension and what is the commonality between them?

ENDURING UNDERSTANDINGS

- Students will understand the components and purpose of the suspension system in an automobile and be able to diagnose and repair common problems in the system.
- Students will understand the safety concerns and the proper procedures for various repairs in the automotive suspension

OBJECTIVES

STUDENTS WILL KNOW

- The major components of an Automotive Suspension System and how each component interacts with other components to maintain vehicle stability.
- The differences between the various types of Suspension Systems.

STUDENTS WILL BE SKILLED AT

- Inspection and diagnosis of common Suspension System concerns.
- Determining the integrity of the vehicles Suspension System, and servicing Suspension System components.

LEARNING PLAN

- Teacher led discussions on the modern Automotive Suspension system.
- Hands on Job Sheets on component location, operation, and repair pertaining to the vehicles suspension.
- Use of corresponding chapters in the text and workbook Modern Automotive Technology.
- Written tests and writing prompts on relate topics.
- Group discussions and essential questions throughout lesson.

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

ASSESSMENT

Formative

Verbal questioning during Hands on Job Sheets

Visual Observations

Summative

Written tests

Hands on Job Sheets

Written essays

Benchmark

Midterm/Final Exam

Alternative

Student presentation and verbal explanation on the Automotive Steering System.

Accomodations

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