

Automotive Technology 7th Edition

Chapter 1 – Automotive Background and Overview

Lesson Plan



CHAPTER SUMMARY:

1. Historical Background, Bodies, Chassis Systems Overview, Frames, and Engine Design Evolution
2. Engine Systems Overview, Powertrain Overview, and Electrical/Electronic Systems Overview
3. Heating, Ventilation, and AC Overview

OBJECTIVES:



1. Explain the evolution of the automobile.
2. Discuss the components of the vehicle body, frame, and chassis.
3. Describe the evolution of engines.
4. List the major systems common to most vehicles.
5. Describe the purpose of the powertrain.
6. Provide an overview of the electrical/electronic systems.
7. Provide an overview of the heating, ventilation, and air-conditioning systems.

RESOURCES: (All resources may be found at jameshalderman.com)



1. Task Sheet: Vehicle Chassis Identification
2. Chapter PowerPoint
3. Crossword Puzzle and Word Search
4. Videos: [\(A0\) Automotive Fundamentals Videos](#)
5. Animations: [\(A0\) Automotive Fundamentals Animations](#)

ACTIVITIES:



1. Task Sheet: Vehicle Chassis Identification
2. Crossword Puzzle and Word Search

ASSIGNMENTS:



1. Chapter crossword and word search puzzles from the website.
2. Complete end of chapter quiz from the textbook.
3. Complete multiple choice and short answer quizzes downloaded from the website.

CLASS DISCUSSION:



1. Review and group discussion chapter [Frequently Asked Questions](#) and [Tech Tips](#) sections.
2. Review and group discussion of the five (5) chapter [Review Questions](#).

NOTES AND EVALUATION:

