

Automotive Electrical and Engine Performance - 9th edition

Ch28: PCM Fundamentals

Lesson Plan

CHAPTER SUMMARY:



1. Computer Fundamentals, Digital Computers, Computer Input Sensors, and Computer Outputs
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OBJECTIVES:



1. Explain the purpose and function of onboard computers.
 2. Explain the parts and characteristics of digital computers.
 3. List input sensors to an automotive computer.
 4. List output devices (actuators) controlled by the computer.
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RESOURCES: (All resources may be found at jameshalderman.com)



1. Task Sheet: Alcohol Content in Gasoline
 2. Task Sheet: Fuel Inspection
 3. Task Sheet: Diesel/Biodiesel Fuel
 4. Crossword Puzzle and Word Search
 5. Videos: (A8) Engine Performance Videos
 6. Animations: (A8) Engine Performance Animations
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ACTIVITIES:



1. Crossword Puzzle and Word Search
 2. Chapter PowerPoint
 3. Crossword Puzzle and Word Search
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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.
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CLASS DISCUSSION:



1. Review and group discussion chapter [Frequently Asked Questions](#) and [Tech Tips](#) sections.
 2. Ten (10) question end of [Chapter Quiz](#).
 3. Five (5) end of chapter [Review Question](#) for class discussion.
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NOTES AND EVALUATION:

