**Automotive Electricity and Electronics**

**Chapter 16 –** **Computer Fundamentals**

**Lesson Plan**

**CHAPTER SUMMARY:**

1. Computer Fundamentals, Computer Functions, and Digital Computers

2. Computer Input Sensors and Computer Outputs

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**OBJECTIVES:**

1. List the various parts of onboard computers.

2. Explain the purpose and function of onboard computers.

3. List an automotive computer’s input sensors and the output devices (actuators) it controls.

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**RESOURCES:** [(All resources may be found at jameshalderman.com)](https://jameshalderman.com/)

1. Task Sheet: Module Reprogramming

2. Chapter PowerPoint

3. [Crossword and Word Search Puzzles (A6)](https://jameshalderman.com/a6_puzzles_lib_page/)

4. [Crossword and Word Search Puzzles (A8)](https://jameshalderman.com/a8_puzzles_lib_page/)

5. [Videos: (A6) Electrical/Electronic Systems](https://jameshalderman.com/a6_vid_lib_page/)

6. [Videos: (A8) Engine Performance](https://jameshalderman.com/a8_vid_lib_page/)

7. [Animations: (A6) Electrical/Electronic Systems](https://jameshalderman.com/a6_anim_lib_page/)

8. [Animations: (A8) Engine Performance](https://jameshalderman.com/a8_anim_lib_page/)

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**ACTIVITIES:**

1. Task Sheet: Module Reprogramming

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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. Review and group discussion of the five (5) chapter Review Questions.

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**NOTES AND EVALUATION:**

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