**Automotive Electricity and Electronics**

**Chapter 6 –** **Series Circuits**

**Lesson Plan**

**CHAPTER SUMMARY:**

1. Series Circuits, Ohm’s Law and Series Circuits, and Kirchhoff’s Law

2. Voltage Drops, Series Circuit Laws, and Series Circuit Example

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**OBJECTIVES:**

1. Explain series circuits laws and discuss series circuit examples.

2. Diagnose electrical/electronic integrity for series, parallel, and series–parallel circuits using Ohm’s law.

3. Explain Kirchhoff’s voltage law.

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

1. Task Sheet: Series Circuit Worksheet #1

2. Task Sheet: Series Circuit Worksheet #2

3. Task Sheet: Series Circuit Worksheet #3

4. Chapter PowerPoint

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

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

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

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**ACTIVITIES:**

1. Task Sheet: Series Circuit Worksheet #1

2. Task Sheet: Series Circuit Worksheet #2

3. Task Sheet: Series Circuit Worksheet #3

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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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