**Automotive Engines Theory and Servicing 10th Edition**

**Chapter 6 – Power Tools and Shop Equipment**

**Lesson Plan**

**CHAPTER SUMMARY:**

1. Air Compressor, Air and Electrically Operated Tools, Trouble Lights, and bench/Pedestal Grinder

2. Bench Vise, Hydraulic Presses, Portable Crane and Chain Hoist, and Engine Stands

3. Care and Maintenance of Shop Equipment

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**OBJECTIVES:**

1. Describe the purpose of the air compressor, and other air and electrically operated tools.

2. Compare the different types of trouble lights.

3. Describe the purpose of the bench/pedestal grinder and the bench vise.

4. Discuss the purpose of hydraulic presses, portable crane and chain hoist, and engine stands.

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

1. Task Sheet: Power and Shop Equipment Safety Survey

2. Chapter PowerPoint

3. [Crossword Puzzle and Word Search](https://jameshalderman.com/a0_puzzles_lib_page/) (A0)

4. [Videos: (A0) Automotive Fundamentals](https://jameshalderman.com/a0_vid_lib_page/)

5. [Animations: (A0) Automotive Fundamentals](https://jameshalderman.com/a0_anim_lib_page/)

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**ACTIVITIES:**

1. Task Sheet: Power and Shop Equipment Safety Survey

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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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