

Automotive Technology 7th Edition

Chapter 111 – Suspension System Components and Operation

Lesson Plan



CHAPTER SUMMARY:

1. Frame Construction, Platforms, Types of Suspension, Hooke's Law, Coil Springs, and Leaf Springs
2. Torsion Bars, Suspension Principles and Components, Shock Absorbers, Struts, and Bump Stops



OBJECTIVES:

1. Discuss vehicle frames.
2. Discuss vehicle platforms.
3. Discuss types of suspensions.
4. Define Hooke's law.
5. Explain how coil springs work.
6. Explain how leaf springs work.
7. Explain how torsion bars work.
8. Explain suspension principles and the components of a suspension system.
9. Describe how shock absorbers work.
10. Discuss how struts work.
11. Describe the function of bump stops.



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

1. Task Sheet: Suspension and Steering System Information
2. Task Sheets: Research Vehicle Service Information
3. Crossword Puzzle and Word Search
4. Chapter PowerPoint
5. Videos: [\(A4\) Suspension and Steering Videos](#)
6. Animations: [\(A4\) Suspension and Steering Animations](#)



ACTIVITIES:

1. Task Sheet: Suspension and Steering System Information
2. Task Sheets: Research Vehicle Service Information
3. 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: