

Automotive Technology 7th Edition

Chapter 108 – Tires and Wheels

Lesson Plan



CHAPTER SUMMARY:

1. Introduction to Tires, Parts of a Tire, Tire Molding, and Service Description
 2. Uniform Tire Quality Grading System, DOT Tire Code, and Tire Conicity and Ply Steer
 3. Spare Tires, Run-Flat Tires, Wheels, Tire Valves, and Lug Nuts
-



OBJECTIVES:

1. Explain the purpose and functions of tires.
 2. Identify the parts of a tire.
 3. Describe how a tire is constructed.
 4. Discuss tire service descriptions.
 5. Discuss the uniform tire quality grading system.
 6. Discuss the DOT tire code.
 7. Discuss tire conicity and ply steer.
 8. Describe spare tires.
 9. Describe run-flat tires.
 10. Explain the construction and sizing of steel and alloy wheels.
 11. Describe tire valves.
 12. Describe lug nuts.
-



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

1. Task Sheet: Tire Identification
 2. Crossword Puzzle and Word Search
 3. Chapter PowerPoint
 3. Videos: [\(A4\) Suspension and Steering Videos](#)
 4. Animations: [\(A4\) Suspension and Steering Animations](#)
-



ACTIVITIES:

1. Task Sheet: Tire Identification
 2. 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:
