

Automotive Technology 7th Edition

Chapter 11 – Measuring, Math, and Charts

Lesson Plan



CHAPTER SUMMARY:

1. Measuring Systems, Measurements, Math, Graphs, Charts, and Diagrams
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OBJECTIVES:

1. Compare the English customary measuring system and the metric system.
 2. Discuss measuring and measuring tools, including rulers, micrometers, gauges, and calipers.
 3. Discuss mathematic principles relevant to service technicians, including the use of decimals, percentages, fractions, and mathematical formulas.
 4. Explain how to interpret graphs, charts, and diagrams.
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RESOURCES: (All resources may be found at jameshalderman.com)

1. Task Sheet: Micrometer
 2. Task Sheet: Vernier Dial Caliper
 3. Task Sheet: Feeler Gauge
 4. Task Sheet: Dial Indicator
 5. Task Sheet: Telescope Gauge
 6. Task Sheet: Math Problem Exercise
 7. Chapter PowerPoint
 8. Crossword Puzzle and Word Search
 9. Videos: [\(A0\) Automotive Fundamentals Videos](#)
 10. Animations: [\(A0\) Automotive Fundamentals Animations](#)
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ACTIVITIES:

1. Task Sheet: Micrometer
 2. Task Sheet: Vernier Dial Caliper
 3. Task Sheet: Feeler Gauge
 4. Task Sheet: Dial Indicator
 5. Task Sheet: Telescope Gauge
 6. Task Sheet: Math Problem Exercise
 7. Crossword Puzzle and Word Search
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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.



NOTES AND EVALUATION:
