

Knox County Schools Mathematics Curriculum

3rd Grade Planning Guide

Unit 5: Measurement

Time: About 4 weeks

Knox County Key	Knox County Performance Objectives/ <i>State Assessed Performance Indicators</i>	State Blueprint Key/SPI #	Lessons	Text Pages
A	1. Recognize clock times as AM or PM; identify activities performed in the AM or PM		12.1	330-331
A	2. Read and write time to the nearest hour, half-hour, quarter-hour, five-minutes <i>Read and write time to the nearest hour, half-hour, quarter-hour and five minutes</i>	A 3.4.1, 3.4.8	12.1, 12.2	330-331, 332-333
A	3. Solve real world problems in elapsed time to the half-hour <i>Solve real world problems using a calendar</i>	A 3.4.10	12.4	336-338
A	4. Use a calendar to solve real-world problems involving ordinal numbers <i>Solve real world problems using a calendar</i>	A 3.4.3	12.5	340-342
A	5. Read and record temperatures on a thermometer (Fahrenheit and Celsius) <i>Read thermometers with Fahrenheit and Celsius scales (positive whole number temperatures)</i>	A 3.4.7	12.7	346-348
A	6. Measure length to the nearest inch, half-inch, or centimeter <i>Measure length to the nearest centimeter and inch</i>	A 3.4.2	13.1, 13.2, 14.1	354-359, 382-383
A	7. Choose appropriate standard unit of length; estimate to determine if a given measurement of length is reasonable <i>Select an appropriate standard unit to measure length; use estimation to determine if a length measurement is reasonable</i>	A 3.4.5, 3.4.6	13.3, 14.1	360-362, 382-383, 375
A	8. Choose the most appropriate unit for measuring capacity		13.5, 13.6, 14.3	368-371, 386-388
A	9. Choose the most appropriate unit for measuring weight or mass		13.7, 14.5	372-374, 394-396
A	10. Solve real-world problems involving addition and subtraction of measurements <i>Solve real-world problems involving addition and subtraction of measurements</i>	A 3.4.4	13.4, 14.4, 11.6, 13.8	364-366, 390-392, 300-302, 376

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<p>Essential Vocabulary: Refer to Houghton Mifflin, <i>Planning The Lesson</i> for vocabulary</p> <p>Writing Prompts: Refer to <i>Keeping a Journal</i> and <i>Writing Prompts</i> in the <i>Quick Check Options</i></p>	<p>Advanced Objectives:</p> <ol style="list-style-type: none">1. Tell time to the minute 12.32. Use a schedule 12.63. Determine measurements with meter and kilometer 14.2
<p>State Accomplishments</p> <ul style="list-style-type: none">• <i>Determine when an estimate is sufficient. D</i>• <i>Measure items to the nearest foot. D</i>• <i>Select/ apply the most appropriate unit of measurement. D</i>• <i>Explain the relationships among inches, feet, and yards. D</i>• <i>Measure to the nearest liter, cup, pint, quart, gallon. D</i>• <i>Measure to the nearest ounce, pound, kilogram, gram. D</i> <p>Literature Resources: <u>Twelve Snails to One Lizard: A Tale of Mischief and Measurement</u> by Susan Hightower (Skill: Exploring Standard Measurement) <u>Room for Ripley</u> by Stuart Murphy (Skill: Capacity) <u>How Tall, How Short How Far Away</u> by David Adler (Skill: Measuring Length) <u>The 100 Pound Problem</u> by Jennifer Dussling (Skill: Measuring Weight) http://sci.tamucc.edu/%7eeyoung/literature.html</p> <p>Commercial Materials/manipulatives:</p> <ul style="list-style-type: none">• Houghton Mifflin Teacher’s Edition- see listed pates• Calendar• Thermometers• Student clocks• Rulers• Yardsticks• Meter stick• TI-10 Calculators	<p>Technology:</p> <ul style="list-style-type: none">• http://www.mathcats.com.grownupcats/ideabankmathandliterature.html• http://scitamucc.edu/%7Eeyoung/literature.html• http://www.nctm.org• http://www.eduplace.com <p>Assessment: Knox County Mathematics, Grade 3, Unit 5 Test</p> <p>Text: <u>Houghton Mifflin Math Grade 3</u></p> <p>Available in Houghton Mifflin Student Text:</p> <ul style="list-style-type: none">• Chapter Pretest• Quick Checks• Chapter Reviews• Chapter Tests <p>Available in Houghton Mifflin Assessment Book</p> <ul style="list-style-type: none">• Unit Tests