

## A YEAR AT A GLANCE – Algebra 1 *(Revised January 2014)*

**Note: (number inside parenthesis represents approximate number of days to cover content.)**

Benchmark 1	Benchmark 2	Benchmark 3	Benchmark 4
<div style="border: 1px solid black; padding: 5px; margin-bottom: 10px; text-align: center;"><b>Pretest</b></div> <p><b>A. 1 (1 day)</b> Translate Expressions (Chapter 1.1)</p> <p><b>A. 1 (1 day)</b> Expressions-Rational Numbers-Absolute Value (Chapter 1.2, 2.5)</p> <p><b>A. 4 (9 days)</b> Properties &amp; multistep linear and literal equations (Chapter 1.3, 1.4, 1.5, 2.1, 2.2, 2.3, 2.4, 2.6, 2.7, 2.8)</p> <p><b>A. 7b (1 days)</b> Functions, domain &amp; range (Chapter 1.6)</p> <p><b>A. 7 (2 days)</b> Analyze linear and quadratic function families (Chapter 1.7, 3.1, 3.2)</p> <p><b>A. 6a (3 days)</b> Graph linear equations and linear inequalities (Chapter 3.3)</p> <p><b>A.6b (5 days)</b> Graph &amp; write equations using slope &amp; points (Chapter 4.1)</p> <p><b>A.7d (3 days)</b> Functions, x and y intercepts (Chapter 4.2)</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px; text-align: center;"><b>Benchmark Test 1</b></div>	<p><b>A. 8 (2 days)</b> Direct or Inverse Variation (Chapter 3.4)</p> <p><b>A.6b (3 days)</b> Graph &amp; write equations using slope &amp; points (Chapter 4.4, 4.5)</p> <p><b>A.11(3 days)</b> Collect &amp; Analyze data, determine the equation for curve of best fit (Chapter 4.6)</p> <p><b>A. 7 (2 days)</b> Detect patterns in data and represent patterns algebraically (Chapter 3.5, 3.6)</p> <p><b>A. 5 (10 days)</b> Solve multistep linear inequalities with two variables (Chapter 5.1, 5.2, 5.3, 5.6)</p> <p><b>A.4 (8 days)</b> Solve multistep linear and quadratic equations algebraically and graphically AND solve real-world problems involving equations (Chapter 6.1, 6.2, 6.3, 6.4, 6.5)</p> <p><b>A. 5 (3 days)</b> Solve multistep linear inequalities with two variables (Chapter 6.8)</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px; text-align: center;"><b>Benchmark Test 2</b></div>	<p><b>A. 2a (5 days)</b> Laws of Exponents (Chapter 7.1, 7.2, 7.3)</p> <p><b>A. 2b (12 days)</b> Add, Subtract, Multiply, &amp; Divide polynomials (Chapter 7.4, 7.5, 7.6, 7.7, 7.8)</p> <p><b>A. 2c (15 days)</b> Factoring binomials and trinomials (Chapter 8.1, 8.2, 8.3, 8.4, 8.5, 8.6)</p> <p><b>A. 7 (10 days)</b> Detect patterns in data and represent patterns algebraically (Chapter 9.8, 9.9)</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px; text-align: center;"><b>Once content has been introduced, it should be reviewed often and connected to future content.</b></div>	<p><b>A. 1 (5 days)</b> Evaluate expressions for replacement sets including rational numbers, absolute value, square roots, and cube roots (Chapter 10.2, 11.3, 11.4)</p> <p><b>A. 8 (2 days)</b> Direct or Inverse Variation (Chapter 11.1)</p> <p><b>A. 2b (2 days)</b> Add, Subtract, Multiply, &amp; Divide polynomials (Chapter 11.5)</p> <p><b>A. 10 (3 days)</b> Compare and contrast multiple univariate data sets using box-and-whisker plots (Chapter 11.1)</p> <p><b>A. 9 (4 days)</b> use data to interpret variation in real-world contexts; calculate mean deviation, standard deviation, and z-scores (Chapter 12.3 and page 786)</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px; text-align: center;"><b>Post Test</b></div>