

## Smyth County Schools Curriculum Map



**Grade:**

**Subject:**

	1st 6 Weeks	2nd 6 Weeks	3rd 6 Weeks
<b>Standards</b>	7.1; 7.2; 7.3; 7.16; 7.17; 7.18; 7.19; 7.21; 7.22	7.3; 7.5; 7.12; 7.18; 7.19; 7.20; 7.21; 7.22	7.1; 7.3; 7.7
<b>Content</b>	Glencoe Mathematics; Applications and Concepts - Course 2 Textbook; textbook resource masters  Unit 1  Chapter 1: Number and Operations  (Decimal Patterns and Algebra)  Chapter 2: Statistics (Analyzing Data)	Glencoe Mathematics; Applications and Concepts – Course 2 Textbook; textbook resource masters Unit 2 Chapter 3: Algebra and Integers Chapter 4: Algebra: Linear Equations and Functions	Glencoe Mathematics; Applications and Concepts – Course 2 Textbook; textbook resource masters Unit 3 Chapter 5: Fractions, Decimals, and Percents Chapter 6: Applying Fractions
<b>Skills</b>	1. Solve problems using the 4-step plan.  2. Evaluate simple algebraic expressions.  3. Use + and x properties to solve problems.	1. Graph points on a coordinate plane. 2. Add, subtract, multiply, and divide integers. 3. Write expressions and equations. 4. Solve equations using the Properties of Equality. 5. Solve inequalities. 6. Represent functions with words, equations, and graphs.	1. Write fractions as terminating or repeating decimals, and write decimals as fractions. 2. Write fractions and decimals as percents and percents as fractions and decimals. 3. Compare and order fractions, decimals, and percents. 4. Solve equations with rational number solutions.

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# Mathematics

	<p>4. Recognize and extend patterns for sequences.</p> <p>5. Write #'s in scientific notation and in standard form.</p> <p>6. Organize and interpret data in tables and graphs.</p> <p>7. Make predictions from graphs.</p> <p>8. Find mean, median, and mode of a set of data.</p> <p>9. Recognize when statistics and graphs are misleading.</p>		<p>5. Find perimeter, area, and circumference.</p>
<b>Assessment</b>	<ul style="list-style-type: none"> <li>• Guided Practice Exercises (in class)</li> <li>• Practice &amp; Applications Exercises (homework)</li> <li>• Vocabulary Quizzes</li> <li>• Standardized Test Practice and Mixed Review (Daily)</li> </ul>	<ul style="list-style-type: none"> <li>• Guided Practice Exercises (in class)</li> <li>• Practice &amp; Applications Exercises (homework)</li> <li>• Vocabulary Quizzes</li> <li>• Standardized Test Practice and Mixed Review (Daily)</li> <li>• Daily quizzes (end of every lesson)</li> <li>• Chapter Practice Tests (extra practice)</li> <li>• Chapter Tests</li> <li>• Cumulative Test (1st /2nd 6-weeks)</li> </ul>	<ul style="list-style-type: none"> <li>• Guided Practice Exercises (in class)</li> <li>• Practice &amp; Applications Exercises (homework)</li> <li>• Vocabulary Quizzes</li> <li>• Standardized Test Practice and Mixed Review (Daily)</li> <li>• Daily quizzes (end of every lesson)</li> <li>• Chapter Practice Tests (extra practice)</li> <li>• Chapter Tests</li> </ul>

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# Mathematics

	<ul style="list-style-type: none"> <li>• Daily quizzes (end of every lesson)</li> <li>• Chapter Practice Tests (extra practice)</li> <li>• Chapter Tests</li> </ul>		
<b>Related Literature</b>	<ul style="list-style-type: none"> <li>• Flanagan/Mott</li> <li>• SOL Coach</li> <li>• 2001,2002, 2003, and 2004 8th grade released SOL test</li> <li>• 2006 7th grade released SOL test</li> <li>• Glencoe SOL Practice Workbook</li> <li>• Knowledgeable of recent 6th grade SOL scores (to target below proficient levels)</li> <li>• “Measuring Up”</li> </ul>	<ul style="list-style-type: none"> <li>• Flanagan/Mot</li> <li>• SOL Coach</li> <li>• 2001,2002, 2003, and 2004 8th grade released SOL test</li> <li>• 2006 7th grade released SOL test</li> <li>• Glencoe SOL Practice Workbook</li> <li>• Knowledgeable of recent 6th grade SOL scores (to target below proficient levels)</li> <li>• “Measuring Up”</li> </ul>	<ul style="list-style-type: none"> <li>• Flanagan/Mott</li> <li>• SOL Coach</li> <li>• 2001,2002, 2003, and 2004 8th grade released SOL test</li> <li>• 2006 7th grade released SOL test</li> <li>• Glencoe SOL Practice Workbook</li> <li>• Knowledgeable of recent 6th grade SOL scores (to target below proficient levels)</li> <li>• “Measuring Up”</li> </ul>
<b>Technology</b>	<ul style="list-style-type: none"> <li>• Quia</li> <li>• Internet</li> </ul>	<ul style="list-style-type: none"> <li>• Quia</li> <li>• Internet</li> <li>• ARDT</li> <li>• Epat</li> <li>• Glencoe Online Test/Quizzes</li> <li>• Scientific Calculator</li> <li>• Smart Board</li> </ul>	<ul style="list-style-type: none"> <li>• Quia</li> <li>• Internet</li> <li>• ARDT</li> <li>• Epat</li> <li>• Glencoe Online Test/Quizzes</li> <li>• Scientific Calculator</li> <li>• Smart Board</li> </ul>

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# Mathematics

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## Smyth County Schools Curriculum Map

# Mathematics

**Grade:**                      **Subject:**

	4th 6 Weeks	5th 6 Weeks	6th 6 Weeks
<b>Standards</b>	7.1; 7.4; 7.6; 7.18	7.7; 7.9; 7.10; 7.11; 7.13; 7.014; 7.15	7.8
<b>Content</b>	Glencoe Mathematics; Applications and Concepts – Course 2 Textbook; textbook resource masters  Unit 4  Chapter 7: Ratios and Proportions Chapter 8: Applying Percents	Glencoe Mathematics; Applications and Concepts – Course 2 Textbook; textbook resource masters Unit 5 Chapter 9: Probability Chapter 10: Geometry Chapter 11: Geometry: Measuring Two-Dimensional Figures	Glencoe Mathematics; Applications and Concepts – Course 2 Textbook; textbook resource masters Unit 6 Chapter 12: Geometry-Measuring Three-Dimensional Figures ***Reserved last 4 weeks to review for SOL test
<b>Skills</b>	<ol style="list-style-type: none"> <li>1. Solve Proportions.</li> <li>2. Solve problems involving scale drawings.</li> <li>3. Write percents as fractions, and vice versa.</li> <li>4. Solve problems using the percent proportion.</li> </ol>	<ol style="list-style-type: none"> <li>1. Identify and classify triangles and quadrilaterals.</li> <li>2. Determine whether figures are similar and find a missing length in a pair of similar figures.</li> <li>3. Find the area of parallelograms, triangles, trapezoids, circles, and complex figures.</li> <li>4. Use multiplication to count outcomes.</li> <li>5. Find the number of permutations and combinations of a set of objects.</li> </ol>	<ol style="list-style-type: none"> <li>1. Find the volume of rectangular prisms and cylinders.</li> <li>2. Find the surface area of rectangular prisms and cylinders.</li> </ol>

**Smyth County Schools**  
**Curriculum Map**

**Mathematics**

**Grade:**

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	<p>5. Solve problems by using the percent equation.</p> <p>6. Predict actions of a larger group by using a sample.</p> <p>7. Find the percent of increase/decrease.</p> <p>8. Solve problems involving simple interest, sales tax, and discounts.</p>		
<p><b>Assessment</b></p>	<ul style="list-style-type: none"> <li>• Guided Practice Exercises (in class)</li> <li>• Practice &amp; Applications Exercises (homework)</li> <li>• Vocabulary Quizzes</li> <li>• Standardized Test Practice and Mixed Review (Daily)</li> <li>• Daily quizzes (end of every lesson)</li> <li>• Chapter Practice Tests (extra practice)</li> </ul>	<ul style="list-style-type: none"> <li>• Guided Practice Exercises (in class)</li> <li>• Practice &amp; Applications Exercises (homework)</li> <li>• Vocabulary Quizzes</li> <li>• Standardized Test Practice and Mixed Review (Daily)</li> <li>• Daily quizzes (end of every lesson)</li> <li>• Chapter Practice Tests (extra practice)</li> <li>• Chapter Tests</li> </ul>	<ul style="list-style-type: none"> <li>• Guided Practice Exercises (in class)</li> <li>• Practice &amp; Applications Exercises (homework)</li> <li>• Vocabulary Quizzes</li> <li>• Standardized Test Practice and Mixed Review (Daily)</li> <li>• Daily quizzes (end of every lesson)</li> <li>• Chapter Practice Tests (extra practice)</li> <li>• Chapter Tests</li> </ul>

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# Mathematics

**Grade:**

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	<ul style="list-style-type: none"> <li>• Chapter Tests</li> <li>• Cumulative Test (3rd/4th 6 weeks)</li> </ul>		
<b>Related Literature</b>	<ul style="list-style-type: none"> <li>• Flanagan/Mott</li> <li>• SOL Coach</li> <li>• 2001,2002, 2003, and 2004 8th grade released SOL test</li> <li>• 2006 7th grade released SOL test</li> <li>• Glencoe SOL Practice Workbook</li> <li>• Knowledgeable of recent 6th grade SOL scores (to target below proficient levels)</li> <li>• “Measuring Up”</li> </ul>	<ul style="list-style-type: none"> <li>• Flanagan/Mott</li> <li>• SOL Coach</li> <li>• 2001,2002, 2003, and 2004 8th grade released SOL test</li> <li>• 2006 7th grade released SOL test</li> <li>• Glencoe SOL Practice Workbook</li> <li>• Knowledgeable of recent 6th grade SOL scores (to target below proficient levels)</li> <li>• “Measuring Up”</li> </ul>	<ul style="list-style-type: none"> <li>• Flanagan/Mott</li> <li>• SOL Coach</li> <li>• 2001,2002, 2003, and 2004 8th grade released SOL test</li> <li>• 2006 7th grade released SOL test</li> <li>• Glencoe SOL Practice Workbook</li> <li>• Knowledgeable of recent 6th grade SOL scores (to target below proficient levels)</li> <li>• “Measuring Up”</li> </ul>
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