



**WESTSIDE**  
ATLANTA CHARTER SCHOOL

### Curriculum Map

Mathematics	Grade: 7	2018-2019
-------------	----------	-----------

Q2	Eureka Math- Modules 2 & 3 Focus Standards	How will we know students learned the material?	Enrichment and Remediation
Date	Standard	Assessment	Additional Info.
<b>W1</b> <b>10/5-</b> <b>10/9</b>	<b>M2:Addition &amp; Subtraction of Integers &amp; Rational Numbers</b>  MGSE7.NS.1 Apply and extend previous understandings of addition and subtraction to add and subtract rational numbers; represent addition and subtraction on a horizontal or vertical number line diagram.	Daily Exit Tickets IXL	<b>CONCEPTS:</b> -Opposite Quantities Combine to Make Zero -Using the number line -Understanding Addition and Subtraction of Integers  <b>EXTENSION:</b> <a href="http://www.khanacademy.org">www.khanacademy.org</a> <a href="http://www.ixl.com">www.ixl.com</a> <a href="http://www.learnzillion.com">www.learnzillion.com</a> <a href="http://www.mathcounts.org">www.mathcounts.org</a>
<b>W2</b> <b>10/22</b> - <b>10/26</b>	<b>M2: Addition &amp; Subtraction of Integers &amp; Rational Numbers</b>  MGSE7.NS.1 Apply and extend previous understandings of addition and subtraction to add and subtract rational numbers; represent addition and subtraction on a horizontal or vertical number line diagram.	Daily Exit Tickets IXL Topic A Quiz	<b>CONCEPTS:</b> -Distance between two rational numbers -Addition and Subtraction of Rational Numbers -Applying the properties of operations to add and subtract rational numbers

			<b>EXTENSION:</b> <a href="http://www.khanacademy.org">www.khanacademy.org</a> <a href="http://www.ixl.com">www.ixl.com</a> <a href="http://www.learnzillion.com">www.learnzillion.com</a> <a href="http://www.mathcounts.org">www.mathcounts.org</a>
<b>W3</b> <b>10/29</b> <b>-11/2</b>	<b>M2: Multiplication &amp; Division of Integers &amp; Rational Numbers</b> MGSE7.NS.2 Apply and extend previous understandings of multiplication and division and of fractions to multiply and divide rational numbers.	Daily Exit Tickets IXL	<b>CONCEPTS:</b> -Understanding Multiplication of Integers - Develop Rules for Multiplying Signed Numbers -Division of Integers -Converting Between Fractions and Decimals using equivalent fractions  <b>EXTENSION:</b> <a href="http://www.khanacademy.org">www.khanacademy.org</a> <a href="http://www.ixl.com">www.ixl.com</a> <a href="http://www.learnzillion.com">www.learnzillion.com</a> <a href="http://www.mathcounts.org">www.mathcounts.org</a>
<b>W4</b> <b>11/5-</b> <b>11/9</b>	<b>M2: Multiplication &amp; Division of Integers &amp; Rational Numbers</b> MGSE7.NS.2 Apply and extend previous understandings of multiplication and division and of fractions to multiply and divide rational numbers.	Daily Exit Tickets IXL Topic B Quiz Mid Module Assessment	<b>CONCEPTS:</b> -Converting rational numbers to decimals using long division -Multiplication and Division of Rational Numbers -Appling the Properties of Operations to Multiply and Divide Rational Numbers  <b>EXTENSION:</b> <a href="http://www.khanacademy.org">www.khanacademy.org</a> <a href="http://www.ixl.com">www.ixl.com</a> <a href="http://www.learnzillion.com">www.learnzillion.com</a> <a href="http://www.mathcounts.org">www.mathcounts.org</a>
<b>W5</b>	<b>M2: Applying Operations with Rational Numbers to</b>	Daily Exit Tickets	<b>CONCEPTS:</b>

<p><b>11/12</b> - <b>11/16</b></p>	<p><b>Expressions and Equations</b></p> <p>MGSE7.NS.3 Solve real-world and mathematical problems involving the four operations with rational numbers.</p> <p>MGSE7.EE.2 Understand that rewriting an expression in different forms in a problem context can clarify the problem and how the quantities in it are related. For example <math>a + 0.05a = 1.05a</math> means that adding a 5% tax to a total is the same as multiplying the total by 1.05</p> <p>MGSE7.EE.4a Solve word problems leading to equations of the form <math>px + q = r</math> and <math>p(x + q) = r</math>, where <math>p</math>, <math>q</math>, and <math>r</math> are specific rational numbers. Solve equations of these forms fluently. Compare an algebraic solution to an arithmetic solution, identifying the sequence of the operations used in each approach. For example, the perimeter of a rectangle is 54 cm. Its length is 6 cm. What is its width?</p>	<p>IXL Topic C Quiz End of Module Assessment</p>	<p>-Comparing Tape Diagram Solutions -Writing, Evaluating, and Finding Equivalent Equations with Rational Numbers -Investments- Performing Operations with Rational Numbers</p> <p><b>EXTENSION:</b> <a href="http://www.khanacademy.org">www.khanacademy.org</a> <a href="http://www.ixl.com">www.ixl.com</a> <a href="http://www.learnzillion.com">www.learnzillion.com</a> <a href="http://www.mathcounts.org">www.mathcounts.org</a></p>
<p><b>W6</b> <b>11/16</b> <b>-11/3</b> <b>0</b></p>	<p><b>M3: Use Properties of Operations to Generate Equivalent Expressions</b></p> <p>MGSE7.EE.1 Apply properties of operations as strategies to add, subtract, factor, and expand linear expressions with rational coefficients.</p> <p>MGSE7.EE.2 Understand that rewriting an expression in different forms in a problem context can clarify the problem and how the quantities in it are related. For example <math>a + 0.05a = 1.05a</math> means that adding a 5% tax to a total is the same as multiplying the total by 1.05.</p>	<p>Daily Exit Tickets IXL Topic A Quiz</p>	<p><b>CONCEPTS:</b> -Generating Equivalent Expressions -Writing Products as Sums and Sums as Products -Using the Identity and Inverse to Write Equivalent Expressions -Collecting Rational Number Like Terms</p> <p><b>EXTENSION:</b> <a href="http://www.khanacademy.org">www.khanacademy.org</a> <a href="http://www.ixl.com">www.ixl.com</a> <a href="http://www.learnzillion.com">www.learnzillion.com</a> <a href="http://www.mathcounts.org">www.mathcounts.org</a></p>
<p><b>W7</b> <b>12/3-</b> <b>12/7</b></p>	<p><b>M3: Solve problems using expressions, equations, and inequalities</b></p> <p>MGSE7.EE.3 Solve multistep real-life and mathematical problems</p>	<p>Daily Exit Tickets IXL</p>	<p><b>CONCEPTS:</b> -Understanding Equations -If Then Moves -Angle Problems and Solving</p>

	<p>posed with positive and negative rational numbers in any form (whole numbers, fractions, and decimals) by applying properties of operations as strategies to calculate with numbers, converting between forms as appropriate, and assessing the reasonableness of answers using mental computation and estimation strategies. For example:</p> <ul style="list-style-type: none"> <li>• <i>If a woman making \$25 an hour gets a 10% raise, she will make an additional 1/10 of her salary an hour, or \$2.50, for a new salary of \$27.50.</i></li> <li>• <i>If you want to place a towel bar 9 3/4 inches long in the center of a door that is 27 1/2 inches wide, you will need to place the bar about 9 inches from each edge; this estimate can be used as a check on the exact computation.</i></li> </ul> <p>MGSE7.EE.4 Use variables to represent quantities in a real-world or mathematical problem, and construct simple equations and inequalities to solve problems by reasoning about the quantities.</p> <p>MGSE7.G.5 Use facts about supplementary, complementary, vertical, and adjacent angles in a multi-step problem to write and solve simple equations for an unknown angle in a figure.</p>		<p>Equations</p> <p><b>EXTENSION:</b>  <a href="http://www.khanacademy.org">www.khanacademy.org</a>  <a href="http://www.ixl.com">www.ixl.com</a>  <a href="http://www.learnzillion.com">www.learnzillion.com</a>  <a href="http://www.mathcounts.org">www.mathcounts.org</a></p>
<p><b>W8</b> <b>12/10</b> - <b>12/14</b></p>	<p><b>M3: Solve problems using expressions, equations, and inequalities</b></p> <p>MGSE7.EE.3 Solve multistep real-life and mathematical problems posed with positive and negative rational numbers in any form (whole numbers, fractions, and decimals) by applying properties of operations as strategies to calculate with numbers, converting between forms as appropriate, and assessing the reasonableness of answers using mental computation and estimation strategies. For example:</p> <ul style="list-style-type: none"> <li>• <i>If a woman making \$25 an hour gets a 10% raise, she will make an additional 1/10 of her salary an hour, or \$2.50, for a new salary of \$27.50.</i></li> <li>• <i>If you want to place a towel bar 9 3/4 inches long in the center of a door that is 27 1/2 inches wide, you will need to place the bar about 9 inches from each edge; this estimate can be used as a check on the exact computation.</i></li> </ul>	<p>Daily Exit Tickets IXL Topic B Quiz Mid-Module Assessment</p>	<p><b>CONCEPTS:</b>          -Properties of Inequalities          -Inequalities          -Solving Inequalities          -Graphing Solutions to Inequalities</p> <p><b>EXTENSION:</b>  <a href="http://www.khanacademy.org">www.khanacademy.org</a>  <a href="http://www.ixl.com">www.ixl.com</a>  <a href="http://www.learnzillion.com">www.learnzillion.com</a>  <a href="http://www.mathcounts.org">www.mathcounts.org</a></p>

	<p>MGSE7.EE.4 Use variables to represent quantities in a real-world or mathematical problem, and construct simple equations and inequalities to solve problems by reasoning about the quantities.</p> <p>MGSE7.G.5 Use facts about supplementary, complementary, vertical, and adjacent angles in a multi-step problem to write and solve simple equations for an unknown angle in a figure.</p>		
<p><b>W9</b> <b>12/17</b> <b>-12/2</b> <b>1</b></p>	<p><b>Review/ Reteach Week</b></p>		<p><b>CONCEPTS:</b></p> <p><b>EXTENSION:</b>  <a href="http://www.khanacademy.org">www.khanacademy.org</a>  <a href="http://www.ixl.com">www.ixl.com</a>  <a href="http://www.learnzillion.com">www.learnzillion.com</a>  <a href="http://www.mathcounts.org">www.mathcounts.org</a></p>