



Saddlebrook Preparatory School

Curriculum Map - Scope and Sequence:  
Grade 5 Math

Purpose of Planning	Unit One Q1/W1- 4 Multiply & Divide Decimals	Unit Two Q1/ W5-9 Multiply & Divide Fractions	Unit Three Q2/W1-4 Data Analysis	Unit Four Q2/W5-9 Ratios & Rates	Unit Five Q3/W1-4 Fractions, Decimals & Percentages
<b>Unit Topic and Overview:</b>	<p><b>Essential Question:</b> How can solving real world problems using multiplication and division be helpful?</p> <p>-Solve real world problems involving multiplication and division.</p>	<p><b>Essential Question:</b> How can solving real world problems using multiplication, and fractions be helpful to you?</p> <p>-Solve real world problems involving multiplication and division of fractions.</p>	<p><b>Essential Question:</b> How can understanding mean, median, mode and range help us analyze vocabulary?</p> <p>-Determine mean, median, mode and range to describe and analyze data.</p>	<p><b>Essential Question:</b> How are ratios and rates connected to multiplication and division?</p> <p>-Connect ratios and rates to multiplication and division.</p>	<p><b>Essential Question:</b> How can ordering, and estimating, help solve problems with fractions, decimals, and percentages?</p> <p>-Compare, order, estimate, and solve problems with fractions, decimals and percentages.</p>
<b>Prerequisite Student Knowledge</b> *What should students have previously mastered prior to this unit?	<p>Students should have background knowledge of:</p> <ul style="list-style-type: none"> <li>-multiplication and division factors</li> <li>- the correlation between fractions and decimals</li> <li>-how to multiply and divide decimals</li> </ul>	<p>Students should have background knowledge of:</p> <ul style="list-style-type: none"> <li>-division and the correlation between fractions and decimals.</li> </ul>	<p>Students should have background knowledge of:</p> <ul style="list-style-type: none"> <li>-determining the mean and median.</li> <li>-interpreting and creating graphs.</li> </ul>	<p>Students should have background knowledge of:</p> <ul style="list-style-type: none"> <li>-reading a table.</li> <li>-creating a tally chart.</li> </ul>	<p>Students should have background knowledge of:</p> <ul style="list-style-type: none"> <li>-working with ratios</li> <li>-creating tables</li> <li>-creating bar graphs</li> </ul>
<b>Essential Knowledge &amp; Student Expectations</b> *What are the anticipated learning outcomes for students?	<p>Students demonstrate knowledge by:</p> <ul style="list-style-type: none"> <li>-Estimating the product of decimals and judging the reasonableness of the results</li> <li>-Rounding decimals</li> <li>-Multiplying decimals by whole numbers and multiplying decimals by decimals.</li> <li>-Dividing decimals by whole numbers and decimals.</li> <li>-Estimating quotients</li> </ul>	<p>Students demonstrate knowledge by:</p> <ul style="list-style-type: none"> <li>-using models to explore part of a number</li> <li>-multiplying fractions using models</li> <li>-dividing whole numbers by fractions</li> <li>-dividing mixed numbers</li> <li>-dividing whole numbers by fractions</li> </ul>	<p>Students demonstrate knowledge by:</p> <ul style="list-style-type: none"> <li>-using models to find the mean of a data set</li> <li>-using a spreadsheet to find the mean, median and mode.</li> </ul>	<p>Students demonstrate knowledge by:</p> <ul style="list-style-type: none"> <li>--exploring ratios using models</li> <li>-expressing ratios and rates in fraction form</li> <li>-using ratio tables to represent and solve problems involving equivalent ratios</li> <li>-determining whether two ratios are equivalent</li> <li>-solving ratio and rate problems using bar diagrams</li> </ul>	<p>Students demonstrate knowledge by:</p> <ul style="list-style-type: none"> <li>-writing decimals as fractions or mixed numbers in simplest form</li> <li>-writing percentages as fractions</li> <li>-writing fractions as percentages</li> <li>-expressing percentages as decimals and decimals as percentages</li> <li>-comparing fractions</li> </ul>



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<p><b>Anchor Text and Supplemental Texts</b> *Illustrate texts used, and how students' knowledge builds across units.</p>	<p><b>Anchor Text:</b> Glencoe McGraw-Hill <i>Florida Connects</i> Course 1 -Chapter practice for NGSSS</p> <p><b>Supplemental Texts:</b> <i>Florida Connects Fair Game</i> workbook Course 1</p>	<p><b>Anchor Text:</b> Glencoe McGraw-Hill <i>Florida Connects</i> Course 1 - Chapter practice for NGSSS</p> <p><b>Supplemental Texts:</b> <i>Florida Connects Fair Game</i> workbook Course 1</p>	<p><b>Anchor Text:</b> Glencoe McGraw-Hill <i>Florida Connects</i> Course 1 - Chapter practice for NGSSS</p> <p><b>Supplemental Texts:</b> <i>Florida Connects Fair Game</i> workbook Course 1</p>	<p><b>Anchor Text:</b> Glencoe McGraw-Hill <i>Florida Connects</i> Course 1 - Chapter practice for NGSSS</p> <p><b>Supplemental Texts:</b> <i>Florida Connects Fair Game</i> workbook Course 1</p>	<p><b>Anchor Text:</b> Glencoe McGraw-Hill <i>Florida Connects</i> Course 1 - Chapter practice for NGSSS</p> <p><b>Supplemental Texts:</b> <i>Florida Connects Fair Game</i> workbook Course 1</p>
<p><b>Multi-Media Links:</b> *Videos, presentations, any and all supplemental online material.</p>	<p>Khan Academy <a href="http://www.khanacademy.com">www.khanacademy.com</a> Textbook Interactive Lessons <a href="http://www.glencoe.com">www.glencoe.com</a> Fun Math Games &amp; Demos <a href="http://www.funmath.com">www.funmath.com</a> You Tube Videos <a href="http://www.youtube.com">www.youtube.com</a></p>	<p>Khan Academy <a href="http://www.khanacademy.com">www.khanacademy.com</a> Textbook Interactive Lessons <a href="http://www.glencoe.com">www.glencoe.com</a> Fun Math Games &amp; Demos <a href="http://www.funmath.com">www.funmath.com</a> You Tube Videos <a href="http://www.youtube.com">www.youtube.com</a></p>	<p>Khan Academy <a href="http://www.khanacademy.com">www.khanacademy.com</a> Textbook Interactive Lessons <a href="http://www.glencoe.com">www.glencoe.com</a> Fun Math Games &amp; Demos <a href="http://www.funmath.com">www.funmath.com</a> You Tube Videos <a href="http://www.youtube.com">www.youtube.com</a></p>	<p>Khan Academy <a href="http://www.khanacademy.com">www.khanacademy.com</a> Textbook Interactive Lessons <a href="http://www.glencoe.com">www.glencoe.com</a> Fun Math Games &amp; Demos <a href="http://www.funmath.com">www.funmath.com</a> You Tube Videos <a href="http://www.youtube.com">www.youtube.com</a></p>	<p>Khan Academy <a href="http://www.khanacademy.com">www.khanacademy.com</a> Textbook Interactive Lessons <a href="http://www.glencoe.com">www.glencoe.com</a> Fun Math Games &amp; Demos <a href="http://www.funmath.com">www.funmath.com</a> You Tube Videos <a href="http://www.youtube.com">www.youtube.com</a></p>
<p><b>Instructional Practices:</b> * Various Instructional Modalities, including Technology used</p>	<p>Essential Questions: How can you use place value, multiplication, and expressions to represent and solve problems?</p> <p>-Lecture, modeling, demonstration -Interactive whiteboard -Computer -Mimio</p>	<p>Essential Questions: How can you divide whole numbers?</p> <p>-Lecture, modeling, demonstration -Interactive whiteboard -Computer -Mimio</p>	<p>Essential Questions: How can you add and subtract decimals?</p> <p>-Lecture, modeling, demonstration -Interactive whiteboard -Computer -Mimio</p>	<p>Essential Questions: How can you solve decimal multiplication problems?</p> <p>-Lecture, modeling, demonstration -Interactive whiteboard -Computer -Mimio</p>	<p>Essential Questions: How can you solve decimal division problems?</p> <p>-Lecture, modeling, demonstration -Interactive whiteboard -Computer -Mimio</p>
<p><b>Assessments:</b> *Types and Measurements of Mastery</p>	<p>-Bellwork -Homework -Worksheets -Practice and problem solving -Spiral review from textbook -Interactive math games -Chapter review practice test -End of chapter tests 80% of the students will 80% or higher on all assessments</p>	<p>-Bellwork -Homework -Worksheets -Practice and problem solving -Spiral review from textbook -Interactive math games -Chapter review practice test -End of chapter tests 80% of the students will 80% or higher on all assessments</p>	<p>-Bellwork -Homework -Worksheets -Practice and problem solving -Spiral review from textbook -Interactive math games -Chapter review practice test -End of chapter tests 80% of the students will 80% or higher on all assessments</p>	<p>-Bellwork -Homework -Worksheets -Practice and problem solving -Spiral review from textbook -Interactive math games -Chapter review practice test -End of chapter tests 80% of the students will 80% or higher on all assessments</p>	<p>-Bellwork -Homework -Worksheets -Interactive math games -Practice and problem solving -Spiral review from textbook -Chapter review practice test -End of chapter tests 80% of the students will 80% or higher on all assessments</p>



## Curriculum Map - Scope and Sequence: Grade 5 Math

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<b>Interdisciplinary Lessons &amp; Projects:</b> *State additional content areas and title all lesson(s) and project(s)	National Science Association Lesson Plans <a href="https://www.nsa.gov/academia/early_opportunities/math_edu_partnership/collected_lea">https://www.nsa.gov/academia/early_opportunities/math_edu_partnership/collected_lea</a>  -Projects -Practice and problem solving -Spiral review from textbook	National Science Association Lesson Plans <a href="https://www.nsa.gov/academia/early_opportunities/math_edu_partnership/collected_lea">https://www.nsa.gov/academia/early_opportunities/math_edu_partnership/collected_lea</a>  -Projects -Practice and problem solving -Spiral review from textbook	National Science Association Lesson Plans <a href="https://www.nsa.gov/academia/early_opportunities/math_edu_partnership/collected_lea">https://www.nsa.gov/academia/early_opportunities/math_edu_partnership/collected_lea</a>  -Projects -Practice and problem solving -Spiral review from textbook	National Science Association Lesson Plans <a href="https://www.nsa.gov/academia/early_opportunities/math_edu_partnership/collected_lea">https://www.nsa.gov/academia/early_opportunities/math_edu_partnership/collected_lea</a>  -Projects -Practice and problem solving -Spiral review from textbook	National Science Association Lesson Plans <a href="https://www.nsa.gov/academia/early_opportunities/math_edu_partnership/collected_lea">https://www.nsa.gov/academia/early_opportunities/math_edu_partnership/collected_lea</a>  -Projects -Practice and problem solving -Spiral review from textbook
<b>Honors Course Differentiation(s):</b>	N/A	N/A	N/A	N/A	N/A
<b>Integrated Common Core or NGSSS Standards (List):</b> *See Below for Links	MA.6.A.1.1 MA.6.A.1.2 M.A.6 A.1.3 M.A.6.A.5.3 M.A.6.A.2.2	MA.6.A.1.1 MA.6.A.1.2 M.A.6 A.1.3 M.A.6.A.5.3 M.A.5.A.2.2	MA.6.5.6.1	MA.6.A.2.1 MA.6.A.2.2	MA.6.A.5.1
<b>Integrated CCSS Writing Standards (List):</b> *See Below for Links	N/A	N/A	N/A	N/A	N/A
<b>Links to CCSS/NGSSS Curriculum Standards:</b>	<p>The following links will be used to incorporate the CCSS and other applicable standards:</p> <ul style="list-style-type: none"> <li>• The <a href="#">Common Core State Standard</a> expectations in grade 6</li> <li>• The <a href="#">K-12 English LA and Content Area Writing Standards</a></li> <li>• The <a href="#">K-12 Reading Standards</a></li> <li>• The <a href="#">K-12 Mathematics Standards</a></li> <li>• The <a href="#">K-12 NGSSS Science &amp; Social Studies Standards</a></li> </ul>				
<b>Purpose of Planning</b>	<b>Unit Six</b> <b>Algebraic Expressions</b> <b>Q3/W5-9</b>	<b>Unit Seven</b> <b>Solve Equations</b> <b>Q4/1-4</b>	<b>Unit Eight</b> <b>Functions &amp; Inequalities</b> <b>Q4/W5-9</b>		



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<b>Unit Topic and Overview:</b>	<p><b>Essential Question</b> How can writing, interpreting, and using expressions and equations in Math?</p> <p>Write, interpret, and use expressions and equations.</p>	<p><b>Essential Question:</b> How we can use writing and interpreting in one and two step equations?</p> <p>Write, interpret, and use one and two step equations.</p>	<p><b>Essential Question:</b> How can we write, interpret and use mathematical expressions and equations?</p> <p>Write, interpret and use mathematical expressions and equations.</p>		
<b>Prerequisite Student Knowledge</b> *What should students have previously mastered prior to this unit?	<p>Students should have background knowledge of:</p> <ul style="list-style-type: none"> <li>-exponents</li> <li>-adding and subtracting fractions with equal and unequal denominators.</li> </ul>	<p>Students should have background knowledge of:</p> <ul style="list-style-type: none"> <li>-how to write fractions in their simplest form</li> <li>-finding the least common denominator</li> </ul>	<p>Students should have background knowledge of:</p> <ul style="list-style-type: none"> <li>-the expressions greater than, less than or equal to</li> <li>-how to solve a basic equation</li> <li>-describing data</li> </ul>		
<b>Essential Knowledge &amp; Student Expectations</b> *What are the anticipated learning outcomes for students?	<p>Students demonstrate knowledge by:</p> <ul style="list-style-type: none"> <li>-finding the value of expressions using the order of operations</li> <li>-evaluating algebraic expressions</li> <li>-writing verbal phrases as simple algebraic expressions.</li> </ul>	<p>Students demonstrate knowledge by:</p> <ul style="list-style-type: none"> <li>-solving equations by using mental math and the guess and check strategy.</li> <li>-solving addition and subtraction equations</li> <li>-solving multiplication and division equations.</li> <li>-writing and solving two step equations.</li> </ul>	<p>Students demonstrate knowledge by:</p> <ul style="list-style-type: none"> <li>-using ordered pairs to graph relations</li> <li>-illustrating functions using technology</li> <li>-extending and describing arithmetic sequences using algebraic expressions</li> <li>-using models to determine the truth of inequalities</li> <li>-writing and graphing inequalities</li> <li>-writing, solving, and graphing, two step linear equalities.</li> </ul>		
<b>Anchor Text and Supplemental Texts</b> *Illustrate texts used, and how students' knowledge builds across units.	<p><b>Anchor Text:</b> Glenco McGraw-Hill <i>Florida Connects</i> Course 1 -Chapter practice for NGSSS</p> <p><b>Supplemental Texts:</b> <i>Florida Connects Fair Game</i> workbook Course 1</p>	<p><b>Anchor Text:</b> Glenco McGraw-Hill <i>Florida Connects</i> Course 1 -Chapter practice for NGSSS</p> <p><b>Supplemental Texts:</b> <i>Florida Connects Fair Game</i> workbook Course 1</p>	<p><b>Anchor Text:</b> Glenco McGraw-Hill <i>Florida Connects</i> Course 1 -Chapter practice for NGSSS</p> <p><b>Supplemental Texts:</b> <i>Florida Connects Fair Game</i> workbook Course 1</p>		



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<p><b>Multi-Media Links:</b> *Videos, presentations, any and all supplemental online material.</p>	<p>Khan Academy <a href="http://www.khanacademy.com">www.khanacademy.com</a> Textbook Interactive Lessons <a href="http://www.glencoe.com">www.glencoe.com</a> Fun Math Games &amp; Demos <a href="http://www.funmath.com">www.funmath.com</a> You Tube Videos <a href="http://www.youtube.com">www.youtube.com</a></p>	<p>Khan Academy <a href="http://www.khanacademy.com">www.khanacademy.com</a> Textbook Interactive Lessons <a href="http://www.glencoe.com">www.glencoe.com</a> Fun Math Games &amp; Demos <a href="http://www.funmath.com">www.funmath.com</a> You Tube Videos <a href="http://www.youtube.com">www.youtube.com</a></p>	<p>Khan Academy <a href="http://www.khanacademy.com">www.khanacademy.com</a> Textbook Interactive Lessons <a href="http://www.glencoe.com">www.glencoe.com</a> Fun Math Games &amp; Demos <a href="http://www.funmath.com">www.funmath.com</a> You Tube Videos <a href="http://www.youtube.com">www.youtube.com</a></p>		
<p><b>Instructional Practices:</b> * Various Instructional Modalities, including Technology used</p>	<p><b>Essential Questions:</b> How can you add and subtract fractions with unlike denominators?  -Textbook, workbook -Lecture, modeling, demonstration -Interactive whiteboard -Computer -Mimio</p>	<p><b>Essential Questions:</b> How do you multiply fractions?  -Textbook, workbook -Lecture, modeling, demonstration -Interactive whiteboard -Computer -Mimio</p>	<p><b>Essential Questions:</b> What strategies can you use to solve division problems involving fractions?  -Textbook, workbook -Lecture, modeling, demonstration -Interactive whiteboard -Computer -Mimio</p>		
<p><b>Assessments:</b> *Types and Measurements of Mastery</p>	<p>-Bellwork -Homework -Worksheets -Practice and problem solving -Spiral review from textbook -Interactive math games -Chapter review practice test -End of chapter tests 80% of the students will 80% or higher on all assessments</p>	<p>-Bellwork -Homework -Worksheets -Practice and problem solving -Spiral review from textbook -Interactive math games -Chapter review practice test -End of chapter tests 80% of the students will 80% or higher on all assessments</p>	<p>-Bellwork -Homework -Worksheets -Practice and problem solving -Spiral review from textbook -Interactive math games -Chapter review practice test -End of chapter tests 80% of the students will 80% or higher on all assessments</p>		
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<b>Integrated Common Core or NGSSS Standards (List):</b> *See Below for Links	MA.6.A.3.1	MA.6.A.3.2	MA.6.A.3.6		
<b>Integrated CCSS Writing Standards (List):</b> *See Below for Links	N/A	N/A	N/A		
<b>Links to CCSS/NGSSS Curriculum Standards:</b>	<p>The following links will be used to incorporate the CCSS and other applicable standards:</p> <ul style="list-style-type: none"> <li>• The <a href="#">Common Core State Standard</a> expectations in Grade 5,</li> <li>• The <a href="#">K-12 English LA and Content Area Writing Standards</a></li> <li>• The <a href="#">K-12 Reading Standards</a></li> <li>• The <a href="#">K-12 Mathematics Standards</a></li> <li>• The <a href="#">K-12 NGSSS Science &amp; Social Studies Standards</a></li> </ul>				

