

MATH - 6th

School	Teacher	Email	Course#	Grade Level
Lettie Brown Elementary School	VanDerVoorn, Lauri	Lauri.VanDerVoorn@morton709.org	MA4600	6
Show Icon <input type="checkbox"/>				
August 2015				
Content <input type="checkbox"/>	Skills <input type="checkbox"/>	Assessment <input type="checkbox"/>	Resources <input type="checkbox"/>	
1) divide whole numbers 2) add, subtract, multiply decimals 3) <u>1st Quarter Daily Math</u> -Common Core- varied skills and computation	 Divide whole numbers (6.NS.2) Add,subtract, multiply decimals (6.NS.3)		Glencoe Math-Chapter 3-Compute with Multi-Digit Numbers Daily Math Common Core Practice, Evan-Moor Corp., 2014	
September 2015				
Content <input type="checkbox"/>	Skills <input type="checkbox"/>	Assessment <input type="checkbox"/>	Resources <input type="checkbox"/>	
1) add, subtract, multiply, divide decimals 2) Greatest Common Factors 3) Add, subtract, multiply, divide fractions and mixed numbers 4) <u>1st Quarter Daily Math</u> -Common Core- varied skills and computation	 Add, subtract, multiply, divide decimals (6.NS.3) Find Greatest Common Factor (6.NS.4) Multiply, divide fractions and mixed numbers (6.RP.3, 6.RP.3d, 6.NS.1)		Glencoe Math-Chapter 3-Compute with Multi-Digit Numbers Silver Burdett Ginn Mathematics- The Path to Math Success, 1999 (resource for adding and subtracting fractions/mixed numbers) Glencoe Math-Chapter 4-Multiply and Divide Fractions Daily Math Common Core Practice, Evan-Moor Corp., 2014	
October 2015				
Content <input type="checkbox"/>	Skills <input type="checkbox"/>	Assessment <input type="checkbox"/>	Resources <input type="checkbox"/>	
1) Add, subtract, multiply, divide fractions and mixed numbers 2) Use ratios/fractions to convert among customary and metric measurements 3) Finish 1st Quarter Daily Math Common Core- varied skills and computation <u>Geometry for 2nd Quarter Daily Math begins:</u> 4) Find perimeter of polygons 5) Use coordinates and absolute value to find the distance between points on a quadrant graph. 6) Draw polygons on a coordinate plane and find the lengths of the sides 7) Find area of triangles, quadrilaterals, and composed figures	 Multiply, divide fractions and mixed numbers (6.RP.3, 6RP3d, 6.NS.1) Use ratio reasoning to convert among metric units of measurement (6.RP.3d) Use ratio reasoning to convert measurement units, manipulate and transform units appropriately when multiplying or dividing quantities. (6.RP.3.d) Locate and plot points on 4-quadrant graph (6.NS.6c) Find the distance between points on a quadrant graph (6.NS.8) Find the lengths of sides of a polygon on a coordinate plane. (6.G.3) Find area of triangles, quadrilaterals, and composed and decomposed figures (6.G.1)		Glencoe Math-Chapter 4-Multiply and Divide Fractions Daily Math Common Core Practice, Evan-Moor Corp., 2014 Glencoe Math- Chapters 9 and 10- Area / Volume and Surface Area	

November 2015

Content	Skills	Assessment	Resources
<p>1) At the beginning of November, may need to finish content listed in October for Chapter 4.</p> <p>Content for Chapter 1:</p> <p>2) GCF and LCM</p> <p>3) Understand ratio</p> <p>4) Unit rates</p> <p>5) Equivalent ratios</p> <p>6) Unit rates/ Unit pricing</p> <p><u>2nd Quarter Geometry Daily Math:</u></p> <p>7) Find area of triangles, quadrilaterals, and composed and decomposed figures</p> <p>8) Use nets to find the surface area of 3-D figures</p>	 <p>Use the GCF and LCM in working with ratios (6.NS.4)</p> <p>Understand concept of ratios (6.RP.1)</p> <p>Understand the concept of unit rate, as associated with ratios (6.RP.2)</p> <p>Use tables to compare equivalent ratios (6.RP.3a)</p> <p>Solve unit rate problems (6.RP.3b)</p> <p>Find the area of 2-D shapes, such as triangles, quadrilaterals, and composed/decomposed figures (6.G.1)</p> <p>Use nets to find the surface area of 3-D shapes (6.G.4)</p>		<p>Glencoe Math-Chapter 4-Multiply and Divide Fractions</p> <p>Glencoe Math- Chapter 1- Ratios and Rates</p> <p>Glencoe Math- Chapters 9 and 10- Area / Volume and Surface Area</p>

December 2015

Content	Skills	Assessment	Resources
<p>1) Equivalent ratios</p> <p>2) Unit rates/ Unit pricing</p> <p><u>2nd Quarter Geometry Daily Math:</u></p> <p>3) Find the surface area of 3-D shapes using nets</p> <p>4) Find the volume of right rectangular prism</p>	 <p>Understand the concept of unit rate, as associated with ratios (6.RP.2)</p> <p>Use tables to compare equivalent ratios (6.RP.3a)</p> <p>Solve unit rate problems (6.RP.3b)</p> <p>Use nets to find the surface area of 3-D shapes (6.G.4)</p> <p>Find the volume of right rectangular prisms (6.G.2)</p>		<p>Glencoe Math- Chapter 1- Ratios and Rates</p> <p>Glencoe Math- Ch.9 and 10- Area/Volume and Surface Area</p>

January 2016

Content	Skills	Assessment	Resources
<p>Finish Chapter 1 Content:</p> <p>1) Equivalent ratios</p> <p>2) Unit rates/ Unit pricing</p> <p>Begin Chapter 2 Content:</p> <p>3) Equivalent fractions, decimals, percents</p> <p>4) Find the percent of a quantity</p> <p>5) Find the percent of a number, using fractions and decimals</p> <p>6) Solve percent problems involving the whole or part</p> <p>7) <u>3rd Quarter Daily Math</u>-Common Core-varied skills and computation</p>	 <p>Use ratio and rate reasoning to solve real-world and mathematical problems (6.RP.3)</p> <p>Interpret and compute quotients of fractions, and solve word problems involving division of fractions by fractions (6.NS.1)</p> <p>Find the percent of a quantity (6.RP.3c)</p> <p>Use ratio reasoning to convert customary units of measurement (6.RP.3d)</p>		<p>Glencoe Math- Chapter 1- Ratios and Rates</p> <p>Glencoe Math- Ch.2-Fractions, Decimals, and Percents</p> <p>Daily Math Common Core Practice, Evan-Moor Corp., 2014</p>

--	--	--	--

February 2016

Content	Skills	Assessment	Resources
<p>1) Equivalent fractions, decimals, percents 2) Find the percent of a quantity 3) Find the percent of a number, using fractions and decimals 4) Solve percent problems involving the whole or part</p> <p>5) <u>3rd Quarter Daily Math</u>-Common Core-varied skills and computation</p>	<p> Use ratio and rate reasoning to solve real-world and mathematical problems (6.RP.3)</p> <p>Interpret and compute quotients of fractions, and solve word problems involving division of fractions by fractions (6.NS.1)</p> <p>Find the percent of a quantity (6.RP.3c)</p>		<p>Glencoe Math- Ch.2-Fractions, Decimals, and Percents</p> <p>Daily Math Common Core Practice, Evan-Moor Corp., 2014</p>

March 2016

Content	Skills	Assessment	Resources
<p>May need the beginning of this month to finish Ch.2 Content listed in February. (See Feb. map.)</p> <p>Ch.5 Content: 1) Use positive and negative numbers to represent real-world problems 2) Recognize that positives and negatives are opposite of each other. 3) Understand absolute value. 4) Write fractions as terminating and repeating decimals 5) Compare and order rational numbers 6) Understand the design of a 4-quadrant graph 7) Locate and plot points on a number line and 4-quadrant graph</p> <p>8) <u>4th Quarter Daily Math</u>- Algebra Daily Skill Builders</p>	<p> Understand positions of numbers on a number line (6.NS.7a)</p> <p>Use positive and negative numbers to represent real-world problems (6.NS.5) (6.NS.7b)</p> <p>Recognize that positives and negatives are opposite of each other (6.NS.6a)</p> <p>Understand absolute value (6.NS.7c) (6.NS.7d)</p> <p>Write fractions as terminating and repeating decimals (6NS.6c, 6NS.7a)</p> <p>Compare and order rational numbers (6NS.6c, 6NS.7a)</p> <p>Understand the design of a 4-quadrant graph (6.NS.6b)</p> <p>Locate and plot points on a 4-quadrant graph (6.NS.6c)</p> <p>Solve real-world and mathematical problems by graphing points in all four quadrants of the coordinate plane (6.NS.8)</p>		<p>Glencoe Math- Chapter 5- Integers and the Coordinate Plane</p> <p>Algebra Daily Skill Builders, by Ann Fisher, Mark Twain Media, 2008</p>

--	--	--	--

April 2016

Content	Skills	Assessment	Resources
1) Write/evaluate Algebraic expressions with whole numbers and exponents 2) Write expressions for word phrases 3) Identify parts of an expression using math vocabulary 4) Evaluate expressions using order of operations 5) Use commutative, associative, identity, and distributive properties to simplify expressions 6) Identify equivalent expressions 7) Write expressions for word problems 8) Solve equations by substituting values for the variables 9) Solve and write equations for all 4 operations 10) Write and solve equations for word problems. 11) <u>4th Quarter Daily Math</u> - Algebra Daily Skill Builders	 Write/evaluate numerical expressions (6.EE.1) Write expressions for word phrases (6.EE.2a) Identify parts of an expression using math vocabulary terms (6.EE.2b) Evaluate expressions using order of operations (6.EE.2c) Apply the properties of operations to generate equivalent expressions (6.EE.3) Identify when two expressions are equivalent (6.EE.4) Use variables to represent numbers and write expressions when solving a real-world or mathematical problem (6.EE.6) Fluently add, subtract, multiply, and divide multi-digit decimals using the standard algorithm for each operation (6.NS.3) Find the greatest common factor of two whole numbers less than or equal to 100 and the least common multiple of two whole numbers less than or equal to 12. Use the distributive property to express a sum of two whole numbers 1–100 with a common factor as a multiple of a sum of two whole numbers with no common factor (6.NS.4) Use substitution to determine whether a value for the variables will make the equation true. (6.EE.5) Solve math and real-world problems by writing and solving one-step equations. (6.EE.7) Use ratio and rate reasoning to solve real-world and mathematical problems, e.g., by reasoning about tables of equivalent ratios, tape diagrams, double number line diagrams, or equations (6.RP.3)		Glencoe Math- Chapter 6- Expressions Glencoe Math- Chapter 7- Equations Algebra Daily Skill Builders, by Ann Fisher, Mark Twain Media, 2008

May 2016

Content	Skills	Assessment	Resources
1) Solve equations by substituting values for the variables 2) Solve and write equations for all 4 operations 3) Write and solve equations for word problems. 4) Functions (input/output tables) 5) Represent functions as an equation, a table of values, and a graph 6) Solve inequalities by substituting values for variables. 7) Write inequalities for word problems, list possible solutions, and graph them. <u>Condense Statistics (Ch.11-12) into a 5-8 day overview of the unit.</u> 3) Recognize a statistical question that can generate data. 4) Describe data by its center, spread and	 Use substitution to determine whether a value for the variables will make the equation true. (6.EE.5) Solve math and real-world problems by writing and solving one-step equations. (6.EE.7) Use ratio and rate reasoning to solve real-world and mathematical problems, e.g., by reasoning about tables of equivalent ratios, tape diagrams, double number line diagrams, or equations (6.RP.3) Represent functions as an equation, a table, and a graph. (6.EE.2, 6.EE.6, 6.EE.9) Evaluate expressions at specific values of their variables. Include expressions that arise from formulas used in real-world problems. Perform arithmetic operations, including those involving whole-number exponents, in the conventional order when there are no parentheses to specify a particular order (Order of		Glencoe Math- Chapter 7- Equations Glencoe Math- Chapter 8- Functions and Inequalities Glencoe Math- Chapter 11 and 12-Statistics and Probability Algebra Daily Skill Builders, by Ann Fisher, Mark Twain Media, 2008

<p>overall shape.</p> <p>5) Mean, median, mode range, outliers</p> <p>6) Display data on a number line, dot plot, histogram, and box plot.</p> <p>7) Summarize data by reporting the number of observations and how the attribute was measured.</p> <p>8) Find measures of center (median, mean) and find variability (interquartile range or mean absolute deviation)</p> <p>9) Relate measures of center and variability to the shape of the data distribution.</p> <p>10) 4th Quarter Daily Math- Algebra Daily Skill Builders</p>	<p>Operations). (EE.2.C)</p> <p>Solve inequalities by substituting values for variables. (6.EE.5)</p> <p>Write inequalities for word problems, list possible solutions, and graph them. (6.EE.8)</p> <p>Recognize a statistical question that can generate data. (6.SP.1)</p> <p>Describe data by its center, spread and overall shape. (6.SP.2)</p> <p>Mean, median, mode range, outliers (6.SP.3)</p> <p>Display data on a number line, dot plot, histogram, and box plot. (6.SP.4)</p> <p>Summarize data by reporting the number of observations and how the attribute was measured. (6.SP.5a) (6.SP.5b)</p> <p>Find measures of center (median, mean) and find variability (interquartile range or mean absolute deviation) (6.SP.5c)</p> <p>Relate measures of center and variability to the shape of the data distribution. (6.SP.5d)</p>		
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--	--