

Garriga and Derry Elementary  
 Course/Grade Level: Math - 5th  
 Math Curriculum Map 2016-2017

*(This timeline is subject to change in order to meet the needs of students.)*

Week	Dates	Topic(s)/Student Expectation (SE)/Focus Skill	Student Expectation (SE)/Underlying Processes and Mathematical Tools
<b>Sample Week</b>	<b>10/1 – 5</b>	<b>Number, Operations and Quantative Reasoning/5.1B/Place Value read, write, compare and order decimals to the thousandths place</b>	<b>5.14C/Select or develop an appropriate problem-solving plan or strategy - making a table</b>
1	8/22-8/26	Numbers and Operations/5.2A/place value-represent value of the digit in decimals through the thousandths	5.1.A apply math to everyday problems 5.1.E use representations to organize and record mathematical ideas
2	8/29-9/2	Numbers and Operations/5.2.B/ compare and order decimals to thousandths Numbers and Operations/5.2.C/round decimal to tenths or hundredths Numbers and Operations/5.3.A/Estimate to determine solutions involving addition and subtraction	5.1.A apply math to everyday problems 5.1.C select tools, technology and techniques to solve problems
3	<i>Holiday 9/5 9/6-9/9 4 day week</i>	Numbers and Operations/5.3.K/Add and subtract decimals	5.1.B use a problem solving model to analyze, formulate a plan, determine solution, justify solution, and evaluate reasonableness- make a table 5.1.E use representations to organize and record mathematical ideas-
4	9/12 - 9/16	Module 1 Test Numbers and Operations/5.3.B/multiply 3 digit number by 2 digit number	5.1.B use a problem solving model to analyze, formulate plan, determine solution, justify solution, and evaluate reasonableness
5	9/19-9/23	Numbers and Operations/5.3.C/dividing decimals of up to a 4 digit dividend by a 2 digit divisor	5.1.E use representations to organize and record mathematical ideas- problem solving draw a diagram
6	9/26-10/30	Module 2 Test Numbers and Operations/5.3.E/multiplication of decimals to the hundredths	5.1.F analyze mathematical relationships to connect mathematical ideas

		Numbers and Operations/5.3.D/represent multiplication of decimals with products to the hundredths	5.1.D communicate mathematical ideas and reasoning 5.1.E use representations to organize and record mathematical ideas
7	10/3-10/7	Numbers and Operations/5.3.G/solve for quotients of decimals to the hundredths, up to 4 digit dividends and 2 digit whole numbers Numbers and Operations/5.3.F/represent quotients of decimals to the hundredths, up to 4 digit dividends and 2 digit whole number divisors Module 3 and 4 Test: multiplying and dividing decimals	5.1.C select tools, technology and techniques to solve problems 5.1.D communicate mathematical ideas and reasoning 5.1.E use representations to organize and record mathematical ideas 5.1.F analyze mathematical relationships to connect mathematical ideas
8	<i>Holiday 10/10</i> 10/11-10/14 <i>4 day week</i> <i>Last day of 1<sup>st</sup> Quarter</i>	Numbers and Operations/5.3.H/solve addition and subtraction of fractions with unlike denominators	5.1.C select tools, technology and techniques to solve problems 5.1.F analyze mathematical relationships to connect mathematical ideas
9	10/17-10/21	Numbers and Operations/5.3.K/add and subtract mixed fractions	5.1.A apply math to everyday problems 5.1.G Display, explain, and justify mathematical ideas and arguments
10	10/24-10/28	Module 5 Test Numbers and Operations/5.3.I/ solve multiplication of a whole number and a fraction Numbers and Operations/5.3.J/Represent division of a fraction by a whole number Numbers and Operations/5.3.L/Divide whole numbers by unit fractions and unit fractions by whole numbers	5.1.D communicate mathematical ideas and reasoning 5.1.E use representations to organize and record mathematical ideas 5.1.F analyze mathematical relationships to connect mathematical ideas 5.1.G display, explain, and justify mathematical ideas using mathematical language in written communication
11	10/31-11/4	Numbers and Operations/5.3.L/Divide whole numbers by unit fractions and unit fractions by whole numbers Module 6 Test	5.1.A apply math to everyday problems 5.1.B use a problem solving model to analyze, formulate plan, determine solution, justify solution, and evaluate reasonableness

		Algebraic Reasoning/5.4.A/identify prime and composite numbers	5.1.C select tools, technology and techniques to solve problems 5.1.D communicate mathematical ideas and reasoning 5.1.F analyze mathematical relationships to connect mathematical ideas
12	11/7-11/11	Algebraic Reasoning/5.4.E/Describe the meaning of parentheses and brackets in a numeric expression  Algebraic Reasoning/5.4.F/Simplify numerical expressions	5.1.D communicate mathematical ideas and reasoning 5.1.E use representations to organize and record mathematical ideas 5.1.B use a problem solving model to analyze, formulate a plan, determine solution, justify solution, and evaluate reasonableness 5.1.F analyze mathematical relationships to connect mathematical ideas 5.1.G
13	11/14-11/18	Algebraic Reasoning/5.4.F/Simplify numerical expressions Module 7 Test  Algebraic Reasoning/5.4.B/Represent and solve multi-step algebraic expression involving addition and subtraction	5.1.C select tools, technology and techniques to solve problems 5.1.D communicate mathematical ideas and reasoning 5.1.A apply math to everyday problems 5.1.B use a problem solving model to analyze, formulate a plan, determine solution, justify solution, and evaluate reasonableness- using part-part-whole 5.1.E use representations to organize and record mathematical ideas
14	11/21-11/25 <i>Thanksgiving Break</i>		
15	11/28-12/2	Algebraic Reasoning/5.4.B/ Represent and solve multi-step algebraic expression involving multiplication and division	5.1.F analyze mathematical relationships to connect mathematical ideas 5.1.G display, explain, and justify mathematical ideas using mathematical language in written communication

			5.1.B use a problem solving model to analyze, formulate a plan, determine solution, justify solution, and evaluate reasonableness 5.1.D communicate mathematical ideas and reasoning
16	12/5-12/9	Module 8 Test Algebraic Reasoning/5.4.B/ Represent and solve multi-step problems involving the four operations Algebraic Reasoning/5.4.H/Represent and solve problems related to perimeter and area	5.1.A apply math to everyday problems 5.1.F analyze mathematical relationships to connect mathematical ideas
17	12/12-12/16	Algebraic Reasoning/5.4.G/use concrete objects and pictorial models to develop the formulas for the volume of a rectangular prism Geometry and Measurement/5.6.B/determine the volume of a rectangular prism Module 9 Test	5.1.G display, explain, and justify mathematical ideas using mathematical language in written communication 5.1.F analyze mathematical relationships to connect mathematical ideas
18	12/19-12/20 <i>Last of 2<sup>nd</sup> Quarter</i>  12/21-12/23 <i>Christmas Break</i>	Algebraic Reasoning/5.4.G/use concrete objects and pictorial models to develop the formulas for the volume of a rectangular prism Geometry and Measurement/5.6.B/determine the volume of a rectangular prism Module 9 Test	5.1.G display, explain, and justify mathematical ideas using mathematical language in written communication 5.1.F analyze mathematical relationships to connect mathematical ideas
19	12/26-12/30 <i>Christmas Break</i>		
20	1/2 <i>Holiday</i> 1/3-1/6 <i>Work Day and Staff Development</i>		
21	1/9-1/13	Algebraic Reasoning/5.4.C/Generate a numerical pattern when given a rule Algebraic Reasoning/5.4.D/Recognize the difference between additive and multiplicative numerical patterns	5.1.A apply math to everyday problems 5.1.C select tools, technology and techniques to solve problems 5.1.E use representations to organize and record mathematical ideas

			5.1.F analyze mathematical relationships to connect mathematical ideas
22	1/16-1/20	Module 10 Test Geometry and Measurement/5.5A/Classify 2 dimensional figures based on their attributes and properties	5.1.D communicate mathematical ideas and reasoning 5.1.E use representations to organize and record mathematical ideas 5.1.F analyze mathematical relationships to connect mathematical ideas 5.1.G display, explain, and justify mathematical ideas using mathematical language in written communication
23	1/23-1/27	Geometry and Measurement/5.5/Classify 2 dimensional figures by attributes and properties Module 11 Test Geometry and Measurement/5.7/Select appropriate units, strategies, and tools to solve problems involving measurement	5.1.B use a problem solving model to analyze, formulate a plan, determine solution, justify solution, and evaluate reasonableness 5.1.C select tools, technology and techniques to solve problems 5.1.A apply math to everyday problems
24	1/30-2/3	Geometry and Measurement/5.7.A/Solve problems by calculating conversions within customary measurement system	5.1.D communicate mathematical ideas and reasoning 5.1.G display, explain, and justify mathematical ideas using mathematical language in written communication 5.1.E use representations to organize and record mathematical ideas 5.1.A apply math to everyday problems
25	2/6-2/10	Geometry and Measurement/5.7.A/Solve problems by calculating conversions within the metric measurement system  Module 13 Test	5.1.F analyze mathematical relationships to connect mathematical ideas 5.1.A apply math to everyday problems 5.1.B use a problem solving model to analyze, formulate a plan, determine solution, justify solution, and evaluate reasonableness

26	2/13-2/17	<p>Geometry and Measurement/5.8.A-C/Graphing coordinates</p> <p><b>MATH Simulated Assessment 2/15</b> <b>READING Simulated Assessment 2/16</b></p>	<p>5.1.D communicate mathematical ideas and reasoning</p> <p>5.1.E use representations to organize and record mathematical ideas</p> <p>5.1.F analyze mathematical relationships to connect mathematical ideas</p> <p>5.1.G display, explain, and justify mathematical ideas using mathematical language in written communication</p> <p>5.1.A apply math to everyday problems</p> <p>5.1.C select tools, technology and techniques to solve problems</p>
27	2/20-2/24	<p>Module 14 Test</p> <p>Data Analysis/5.9.A/Represent categorical data with bar graphs and frequency tables</p> <p>Data Analysis/5.9.C/Solve one and two step problems using data from frequency table</p>	<p>5.1.B use a problem solving model to analyze, formulate a plan, determine solution, justify solution, and evaluate reasonableness</p> <p>5.1.E use representations to organize and record mathematical ideas</p> <p>5.1.A apply math to everyday problems</p> <p>5.1.F analyze mathematical relationships to connect mathematical ideas</p>
28	2/27-3/3	<p>Data Analysis/5.9.C/solve one and two step problems using data from bar graphs, dot plot and stem-and-leaf plot</p> <p>Data Analysis/5.9.A/Represent categorical data with dot plots, and stem-and-leaf plots</p> <p><b>SCIENCE Simulated Assessment 2/28</b></p>	<p>5.1.A apply math to everyday problems</p> <p>5.1.F analyze mathematical relationships to connect mathematical ideas</p> <p>5.1.D communicate mathematical ideas and reasoning</p> <p>5.1.E use representations to organize and record mathematical ideas</p>
29	3/6-3/10 <i>Last day of 3<sup>rd</sup> Quarter</i>	<p>Data Analysis/5.9.B/Represent discrete paired data on a scatter plot</p> <p>Data Analysis/5.9.C/Solve one and two step problems using data from scatter plot</p> <p>Module 15 &amp; 16 Test</p>	<p>5.1.A apply math to everyday problems</p> <p>5.1.E use representations to organize and record mathematical ideas</p> <p>5.1.G display, explain, and justify mathematical ideas using mathematical language in written communication</p> <p>5.1.C select tools, technology and techniques to solve problems</p>

		Personal Finance Literacy/5.10.A/Define income tax, payroll tax, sales tax, and property tax	5.1.D communicate mathematical ideas and reasoning 5.1.F analyze mathematical relationships to connect mathematical ideas
30	3/13-3/17 <i>Spring Break</i>		
31	3/20 <i>Holiday/Staff Development</i> 3/21-3/24	Personal Finance Literacy/5.10.B/Explain the difference between gross income and net income Personal Finance Literacy/5.10.C/Identify the advantages and disadvantages of different methods of payment Personal Finance Literacy/5.10.D/Develop a system for keeping and using financial records Personal Finance Literacy/5.10.F/Balance a simple budget Personal Finance Literacy/5.10.E/Describe actions that might be taken to balance a budget when expenses exceed income Module 17 Test	5.1.A apply math to everyday problems 5.1.D communicate mathematical ideas and reasoning 5.1.G display, explain, and justify mathematical ideas using mathematical language in written communication 5.1.E use representations to organize and record mathematical ideas 5.1.F analyze mathematical relationships to connect mathematical ideas
32	3/27-3/31	Review for Math STAAR: Algebraic Reasoning/5.4.C/Generate a numerical pattern when given a rule Algebraic Reasoning/5.4.D/Recognize the difference between additive and multiplicative numerical patterns Geometry and Measurement/5.7.A/Solve problems by calculating conversions within customary and metric measurement system Numbers and Operations/5.3A-I/problem solving with addition, subtraction, multiplication and division of fractions and decimals <b>3/28: Math STAAR</b> <b>3/29: Reading STAAR</b>	5.1.A-G The student uses mathematical processes to acquire and demonstrate mathematical understanding.

33	4/3-4/7	Numbers and Operations/5.3.K/Add and subtract decimals	5.1.C select tools, technology and techniques to solve problems
34	4/10-4/13 4/14 <i>Holiday</i>	Data Analysis/5.9.A-C/Represent categorical data with bar graphs, frequency tables, and scatter plots  Geometry and Measurement/5.8.A-C/Graphing coordinates	5.1.A apply math to everyday problems 5.1.B use a problem solving model to analyze, formulate plan, determine solution, justify solution, and evaluate reasonableness 5.1.G display, explain, and justify mathematical ideas using mathematical language in written communication
35	4/17 <i>Holiday</i> 4/18-4/21	Geometry and Measurement/5.7.A/Solve problems by calculating conversions within the metric measurement system	5.1.E use representations to organize and record mathematical ideas 5.1.F analyze mathematical relationships to connect mathematical ideas
36	4/24-4/28	Spend a Million- Personal Finance Literacy/5.10.A/Define income tax, payroll tax, sales tax and property tax Personal Finance Literacy/5.10.B/Explain the difference between gross income and net income	5.1.A apply math to everyday problems 5.1.E use representations to organize and record mathematical ideas 5.1.D communicate mathematical ideas and reasoning
38	5/8-5/12	(Metric Olympics) Geometry and Measurement/5.7.A/Solve problems by calculating conversions within the metric measurement system  (Origami Frog) Geometry and Measurement/5.7.A/Solve problems by calculating conversions within customary measurement system  <b>5/8: Math STAAR Retest</b> <b>5/9: Reading STAAR Retest</b> <b>5/10: Science STAAR</b>	5.1.A apply math to everyday problems 5.1.E use representations to organize and record mathematical ideas 5.1.G display, explain, and justify mathematical ideas using mathematical language in written communication 5.1.C select tools, technology and techniques to solve problems 5.1.D communicate mathematical ideas and reasoning 5.1.F analyze mathematical relationships to connect mathematical ideas



39	5/15-5/18 <i>End of 4<sup>th</sup> Quarter</i> <i>5/19 Work day</i>	End of year activities  #1: Build a tetrahedron kite- Geometry and Measurement/5.5/Classify 2 dimensional figures by attributes and properties  #2: AIMS: Growing Toys- Geometry and Measurement/5.7.A/Solve problems by calculating conversions within metric measurement system	5.1.A apply math to everyday problems
----	---	---	---------------------------------------