

**Our Lady of the Lake Roman Catholic School**  
**Yearly Course Outline**  
**Math**  
**Sixth Grade**  
**2024–2025**

**Teacher's Name:** Meredith Singletary

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**Teacher's Room Number:** 204

**Course Description**

This course is designed to introduce students to the basics of algebra. Students will build a deep understanding of mathematics through a variety of activities in an environment where collaboration, conversations, and questioning are routine practices.

**Instructional Materials**

Carnegie Learning, Mathematics Course 1  
Mathia  
IXL

**Methods of Assessment and Distribution**

All test, quiz, and homework grades will be posted on PowerSchool ([www.ollpowerschool.org](http://www.ollpowerschool.org)). Please check for postings frequently. Each quarter, four test- and four quiz-weighted assessments will be administered.

**1st & 2nd Quarters**  
**(Exams taken)**

50% Tests  
20% Exams  
20% Quizzes  
10% Homework

**3rd & 4th Quarters**  
**(No Exams taken)**

60% Tests  
30% Quizzes  
10% Homework

**Grading Scale**

A: 100-94  
B: 93-86  
C: 85-78  
D: 77-70  
U: 69 and below

## Tentative Course Calendar

**\*\* Dates and course content are subject to change at discretion of teacher or administration. \*\***

*Aug 8 – First day of school for 4<sup>th</sup> – 7<sup>th</sup>*

Week	Standards	Objectives (The learner will . . .)	Instructional Materials	Assessments
<b>1st Quarter</b>				
<b>Week 1</b> <i>Aug. 12-16</i>	<b>6.EE.2.b</b> <b>6.EE.3</b>	PREASSESSMENT To recognize and apply the properties of operations; To use the order of operations to simplify expressions and solve problems	Text, Mathia, Notes	Quiz 1-Properties/Order of Operations
<b>Week 2</b> <i>Aug. 19-23</i>	6.NS.3	To read, write, and round decimals; To add and subtract decimals; To solve problems involving decimals	Text, Mathia, Notes	Test 1-Understanding Decimals, Adding and Subtracting Decimals
<b>Week 3</b> <i>Aug. 26-30</i>	6.EE.2.b 6.NS.2 6.NS.3	To multiply and divide decimals To solve problems using multiplication and division of decimals	Text, Mathia, Notes	Quiz 2-Mult Decimals and Divide Decimals (Scarecrow Activity)
<b>Week 4</b> <i>Sept. 3-6</i> 9/2 Labor Day No School	6.EE.2 6.EE.2.a 6.EE.2.b 6.EE.2.c 6.EE.5 6.EE.6 6.EE.7	To add, subtract, multiply and divide decimals To solve problems using addition, subtraction, multiplication and division of decimals  To evaluate algebraic expressions To write algebraic expressions and use them to solve problems To use mental math and number sense to estimate and solve equations;	Text, Mathia, Notes	Test 2-Decimals Operations
<b>Week 5</b> <i>Sept. 9-13</i>	6.EE.5 6.EE.6 6.EE.7	To use inverse operations to solve addition and subtraction equations	Text, Mathia, Notes	Quiz 3-Expressions (Translating Expressions Key Words activity)
<b>Week 6</b> <i>Sept. 16-20</i>	6.EE.5 6.EE.6 6.EE.7	To use inverse operations to solve addition and subtraction equations To use multiplication and division to solve equations	Text, Mathia, Notes	Test 3-Expressions and One-Step Add/Sub Equations
<b>Week 7</b> <i>Sept. 23-27</i> Spirit Week 9/27 Fun Run Kickoff	6.EE.5 6.EE.6 6.EE.7	To use inverse operations to solve addition and subtraction equations To use multiplication and division to solve equations	Text, Mathia, Notes	Quiz 4-One-Step Equations Activity
<b>Week 8</b> <i>Sept. 30- Oct. 3</i> 10/3 Living Rosary 10/4 – No School	6.EE.5 6.EE.6 6.EE.7	To use inverse operations to solve addition and subtraction equations To use multiplication and division to solve equations	Text, Mathia, Notes	Test 4-Expressions and One-Step Equations
<b>Week 9</b> <i>Oct. 7-11</i> 10/11 - ½ day (Fun Run)		6 <sup>th</sup> – 7 <sup>th</sup> Grade Exams		
<b>2nd Quarter</b>				
<b>Week 10</b> <i>Oct. 14-18</i>	6.NS.4 6.EE.1	To check for divisibility using mental math;	Text, Mathia, Notes	Quiz 1-Divisibility Rules

	6.EE.2 6.EE.2.c	To use divisibility to solve problems To read, write, and expand exponents; To simplify expressions with exponents		
<b>Week 11</b> <b>Oct. 21-25</b> 10/25 Fun Run Reward Day	6.EE.1 6.NS.4	To factor numbers To find the prime factorization of numbers; To find the greatest common factor of two or more numbers	Text, Mathia, Notes	Test 1- Prime, Composite, Vocabulary, GCF Activity
<b>Week 12</b> <b>Oct. 28-31</b> 11/2-OLL Festival	6.NS.4	To find the least common multiple of two or more numbers	Text, Mathia, Notes	Quiz 2 – GCF and LCM Canvas
<b>Week 13</b> <b>Nov. 4-8</b> 11/6 - 11/7 Saints Alive	6.NS.1	To solve problems by multiplying fractions by fractions and fractions by whole or mixed numbers; To use models to interpret and perform fraction division and to solve word problems involving fraction division; To divide fractions and to solve problems by dividing fractions	Text, Mathia, Notes	Test 2-Fraction Operations part 1 Multiplying Fractions
<b>Week 14</b> <b>Nov. 11-15</b>	6.NS.1 6.EE.6 6.EE.7	To estimate and compute the quotient of mixed numbers; To solve equations with fractions	Text, Mathia, Notes	Quiz 3-Dividing Fractions
<b>Week 15</b> <b>Nov. 18-22</b>	6.RP.1 6.RP.6 6.RP.7	To solve problems by multiplying fractions by fractions and fractions by whole or mixed numbers; To use models to interpret and perform fraction division and to solve word problems involving fraction division; To divide fractions and to solve problems by dividing fractions	Text, Mathia, Notes	Test 3-Fraction Operations part 2
<b>Thanksgiving Holidays</b> <b>Nov. 25-29</b>				
<b>Week 16</b> <b>Dec. 2-6</b>	6.RP.3 6.RP.3.a 6.RP.3.d	To find and use unit rates and unit costs  To use equivalent ratios and rates to solve real-world and mathematical problems;	Text, Mathia, Notes	Quiz 4-Unit Rate
<b>Week 17</b> <b>Dec. 9-13</b>	6.RP.3 6.RP.3.a 6.RP.3.d	To use ratios to convert from one unit of measure to another	Text, Mathia, Notes	Test 4-Ratio and Rate
<b>Week 18</b> <b>Dec. 16-20</b> 12/20 - ½ day		6 <sup>th</sup> – 7 <sup>th</sup> Grade Exams		
<b>Christmas Holidays</b> <b>Dec. 21 – Jan. 5</b>				
<b>3rd Quarter</b>				
<b>Week 19</b> <b>Jan. 6-10</b>	6.RP.3.c	To model percent and to write percent using equivalent ratios; To find equivalent forms of fractions, decimals, and percent	Text, Mathia, Notes	Quiz 1-Decimal to Percent and Percent to Decimal Activity
<b>Week 20</b> <b>Jan. 13-17</b>	6.RP.3.c	To use percent to find part of a whole;	Text, Mathia, Notes	Test 1-FDP

		To solve problems with finding the whole, given a part and the percent		
<b>Week 21</b> <b>Jan. 21-24</b> 1/20 - No School	6.RP.3.c	To use percent to find part of a whole; To solve problems with finding the whole, given a part and the percent	Text, Mathia, Notes	Test 2-Finding whole and percent
<b>Week 22</b> <b>Jan. 27-31</b> Catholic Schools Week 1/31 - Pep Rally	6.NS.5 6.NS.6 6.NS.6.a 6.NS.6.c 6.NS.7.c 6.NS.7.a	To use integers, opposites, and absolute values to represent real world situations; To compare and order integers	Text, Mathia, Notes	Quiz 2-Integers
<b>Week 23</b> <b>Feb. 3-7</b>	6.NS.5 6.NS.6 6.NS.6.c 6.NS.7.a 6.NS.7.b	To identify rational and irrational numbers; To show that numbers are rational and to plot rational numbers on a number line; To compare and order rational numbers	Text, Mathia, Notes	
<b>Week 24</b> <b>Feb. 10-14</b>	6.EE.5 6.EE.6 6.EE.8 6.NS.7.d	To identify rational and irrational numbers; To show that numbers are rational and to plot rational numbers on a number line; To compare and order rational numbers; Adding Integers	Text, Mathia, Notes	Test 3-Integer Operations; Intro to Adding Integers
<b>Week 25</b> <b>Feb. 17-21</b> 2/21 - Eve Parade	6.NS.6 6.NS.6.c 6.NS.8 6.NS.6.b 6.G.3 6.EE.9	To graph polygons in a coordinate plane	Text, Mathia, Notes	Quiz 3 – Coordinate Plane
<b>Week 26</b> <b>Feb. 24-28</b> 2/28 – ½ Day Grandparents Day	6.NS.6 6.NS.6.c 6.NS.8 6.NS.6.b 6.G.3 6.EE.9	To graph polygons in a coordinate plane	Text, Mathia, Notes	Test 4-Coordinate Plane Graphing Project – Emoji
<b>Mardi Gras Holiday</b> <b>March 3-7</b>				
<b>Week 27</b> <b>March 10-14</b> 3/14 – ½ Day	6.SP.3 6.SP.5 6.SP.5.c	To find and analyze the mean of a set of data using models and calculations; To find and analyze the median and mode of a set of data	Text, Mathia, Notes	Quiz 4-Mean, Median, Mode, Range;
<b>4th Quarter</b>				
<b>Week 28</b> <b>March 17-21</b>	6.SP.2 6.SP.3 6.SP.4 6.SP.5 6.SP.5.b 6.SP.5.c	To construct and interpret a histogram; To identify the difference between a bar graph and a histogram; To find and use measures of variability to describe and compare data sets To relate the shape of a data display to how the data is distributed; To define bias; To identify a statistical question and to recognize and remove bias from statistical questions	Text, Mathia, Notes	Quiz 1 – Data

<b>Week 29</b> <b>March 24-28</b>	6.EE.5 6.EE.6 6.EE.8 6.NS.7.d	To identify rational and irrational numbers; To show that numbers are rational and to plot rational numbers on a number line; To compare and order rational numbers; adding and subtracting integers	Text, Mathia, Notes	Quiz 2 – Adding and Subtracting Integers
<b>Week 30</b> <b>March 31 - Apr 4</b>	6.EE.5 6.EE.6 6.EE.8 6.NS.7.d	To identify rational and irrational numbers; To show that numbers are rational and to plot rational numbers on a number line; To compare and order rational numbers; Adding and Subtracting Integers	Text, Mathia, Notes	Test 1 – Adding and Subtracting Integers “MATH” Project
<b>Week 31</b> <b>April 7-11</b>	6.EE.5 6.EE.6 6.EE.8 6.NS.7.d	To identify rational and irrational numbers; To show that numbers are rational and to plot rational numbers on a number line; To compare and order rational numbers; adding, subtracting, multiplying and dividing integers	Text, Mathia, Notes	Test 2 – Integer Operations
<b>Week 32</b> <b>April 14-17</b> 4/17 Passion Play 4/18 Good Friday	6.EE.5 6.EE.6 6.EE.8 6.NS.7.d	To identify rational and irrational numbers; To show that numbers are rational and to plot rational numbers on a number line; To compare and order rational numbers; adding, subtracting, multiplying and dividing integers	Text, Mathia, Notes	Test #3 – Integer Board Game
<b>Easter Holiday</b> <b>April 21-25</b>				
<b>Week 33</b> <b>April 28- May 2</b> 5/2 - Field Day ½ Day	6.EE.5 6.EE.6 6.EE.8 6.NS.7.d	To express and identify solutions of inequalities	Text, Mathia, Notes	Quiz 3 – Solving Inequalities
<b>Week 34</b> <b>May 5-9</b> 5/6 May Crowning	6.EE.5	To solve one-step inequalities by adding or subtracting	Text, Mathia, Notes	Test 4 – Solving One-Step Inequalities
<b>Week 35</b> <b>May 12-16</b>	6.G.1	Finding area of parallelograms, trapezoids, rectangles and irregular shapes	Text, Mathia, Notes	Quiz 4 – Area of Parallelograms, Trapezoids and Rectangles Activity
<b>Week 36</b> <b>May 19-22</b> 5/22 ½ day		End of Year Assessment/Review Stations	Text, Mathia, Notes	