Our Lady of the Lake Roman Catholic School
Yearly Course Outline
Math
Fifth Grade
2023–2024

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Course Description

Our Lady of the Lake uses the *enVision Math* series, which offers many activities and strategies to help students succeed in math. The 5th grade math curriculum reinforces basic mathematical concepts with a focus on fractions, long division, multiplication, measurement, geometry, and an introduction to basic algebra. Daily lessons will consist of one or more of the following: independent practice, hands-on activities, group activities, daily math practice activities, and math computer games.

Instructional Materials

enVision Math textbook

Methods of Assessment and Distribution

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

Assessment Weighting	Grading Scale
60% Tests	A: 100-94
30% Quizzes	B: 93-86
10% Homework	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. ***

Week	Standards	Objectives (The learner will . . .)	Instructional Materials	Assessments
1st Quarter				
Week 1 *Aug. 14-18* 8/18 Summer reading due	5.NBT.A 5.NBT.1 5.NBT.2 5.NBT.3 5.NBT.3a	-Use patterns and the properties of multiplication to calculate a product when multiplying by a power of 10 -Use whole-number exponents to write powers of 10 -Read and write whole numbers using standard form, expanded form, and number names. -Represent decimals to thousandths as fractions and fractions with denominators of 1,000 as decimals.	Textbook workbook Activboard Dry-erase boards Place value chart iPad	
Week 2 *Aug. 21-25*	5.NBT.A 5.NBT.1 5.NBT.3 5.NBT.3a 5.NBT.3b 5.NBT.4	-Use patterns and the properties of multiplication to calculate a product when multiplying by a power of 10 -Use whole-number exponents to write powers of 10 -Read and write whole numbers using standard form, expanded form, and number names. -Represent decimals to thousandths as fractions and fractions with denominators of 1,000 as decimals. -Read and write numbers with decimals through thousandths using standard form, expanded form, and number names. -Identify equivalent decimals. -Use place value to compare decimals through thousandths. -Use place value to round decimals to different places.	Textbook workbook Activboard Dry-erase boards Dec. place value charts # lines iPad	Quiz #1 Ch. 1 les 1-2
Week 3 *Aug. 28-01*	5.NBT.A 5.NBT.1 5.NBT.3 5.NBT.3a 5.NBT.3b 5.NBT.4	-Use patterns and the properties of multiplication to calculate a product when multiplying by a power of 10 -Use whole-number exponents to write powers of 10 -Read and write whole numbers using standard form, expanded form, and number names. -Represent decimals to thousandths as fractions and	Textbook workbook Activboard Dry-erase boards Dec. place value charts # lines iPad	Test # 1 Ch 1 les 1-7

		fractions with denominators of 1,000 as decimals. -Read and write numbers with decimals through thousandths using standard form, expanded form, and number names. -Identify equivalent decimals. -Use place value to compare decimals through thousandths. -Use place value to round decimals to different places.			
Week 4 *Sept. 04-08* 9/4 No School	5.NBT.7	-Use properties of addition and strategies to solve problems mentally. -Use rounding or compatible numbers to estimate sums and differences. Model sums and differences of decimals. -Add decimals to hundredths using familiar strategies, such as partial sums. -Subtract decimals to hundredths using familiar strategies, such as partial differences.	Textbook workbook Activboard Dry-erase boards Dec. place value charts 100's chart iPad Checkbook	Quiz # 2 Ch 2 les1-3
Week 5 *Sept. 11-15*	5.NBT.7	-Use properties of addition and strategies to solve problems mentally. -Use rounding or compatible numbers to estimate sums and differences. -Add decimals to hundredths using familiar strategies, such as partial sums. -Subtract decimals to hundredths using familiar strategies, such as partial differences. -Use prior math knowledge and equations or bar diagrams to solve word problems.	Textbook workbook Activboard Dry-erase boards iPad Checkbook	Test # 2 Ch 2 les 1-6
Week 6 *Sept. 18-22*	5.NBT.B 5.NBT.5	-Use place-value understandings and patterns to mentally multiply whole number and powers of 10. -Use rounding and compatible numbers to estimate products. -Use place value and the standard algorithm to multiply multi-digit numbers by 1-digit numbers. -Use the expanded and the standard algorithm to multiply 2-	Textbook workbook Activboard Dry-erase boards iPad Checkbook	Quiz #3 Ch 3 les 1-2

		digit by 2-digit numbers. Check if products are reasonable.		
Week 7 *Sept. 25-29* Spirit Week 9/29 Fun Run Kickoff	5.NBT.B 5.NBT.5	-Multiply 3-digit by 2-digit numbers by adding partial products or by using the standard algorithm. Use knowledge about place value and multiplying with 2-digit and 3-digit numbers to multiply with zeros. -Use properties and the standard algorithm for multiplication to find the product of multi-digit numbers. -Use models and strategies to solve word problems.	Textbook workbook Activboard Dry-erase boards iPad Checkbooks	Test #3 Ch 3 les. 1-8
Week 8 *Oct. 02-06*	5.NBT.A 5.NBT.B 5.NBT.2 5.NBT.4 5.NBT.7	-Use knowledge about place value and patterns to find the product of a decimal number and a power of 10. -Use rounding and compatible numbers to estimate the product of a decimal and a whole number. Use models to represent multiplying a decimal and a whole number. -Use place-value understanding and an algorithm for multiplying whole numbers to multiply a decimal and a whole number.	Textbook workbook Activboard Dry-erase boards Decimal grids iPad Checkbooks	Quiz # 4 Ch 4 les 1-2
Week 9 *Oct. 09-13* 10/13 ½ day (Fun Run)	5.NBT.B 5.NBT.6 5.NBT.7	-Use grids to model decimals and find the product of a decimal and a decimal. -Multiply decimals using partial products and models. -Use properties to multiply decimals. -Use number sense and reasoning to place the decimal point in a product.	Textbook workbook Activboard Dry-erase boards iPad Checkbooks	Test # 4 Ch 4 les 1-6
2nd Quarter				
Week 10 *Oct. 16-20*	5.NBT.6	-Use place-value patterns and mental math to find quotients. -Use compatible numbers and place-value patterns to estimate quotients. -Use models to find quotients. -Solve division problems using partial quotients.	Textbook workbook Activboard Dry-erase boards iPad	Quiz #1 Ch 5 les 1

Week 11 *Oct. 23-27* 10/27 Fun Run Reward Day	5.NBT.6	-Solve division problems using partial quotients. -Use place value and sharing to divide by 2-digit divisors. -Use place value and sharing to divide greater dividends. -Select from different strategies to divide 3- and 4-digit numbers by 2-digit numbers.	Textbook workbook Activboard Dry-erase iPad	Test #1 Ch 5 les 1- 7
Week 12 *Oct. 30-03*	5.NBT.1 5.NBT.2 5.NBT.4 5.NBT.7	-Use mental math and place-value patterns to divide a decimal by a power of 10. -Use reasoning and strategies such as rounding and compatible numbers to estimate quotients in problems with decimals. -Use models to help find quotients in problems involving decimals. Use models to visualize the relationship between division and multiplication to divide decimals by 2-digit whole numbers.	Textbook workbook Activboard Dry-erase boards Dec. place value Charts Decimal Grids iPad	Quiz # 2 Ch 6 les 1,3
Week 13 *Nov. 06-10* 11/6 No School (Formation Day) 11/7 Virtual (Senior Day) 11/10 Virtual (OLL Festival)	5.NBT.7	-Use models to divide a decimal by a decimal -Use reasoning to solve problems by making sense of quantities and relationships in the situation.	Textbook workbook Activboard Dry-erase boards Decimal grids iPad	Test # 2 Ch 6 les 1-5
Week 14 *Nov. 13-17*	5.OA.A 5.OA.1 5.OA.2	-Use the order of operations to evaluate expressions. -Write simple expressions that show calculations with numbers. -Interpret numerical expressions without evaluating them.	Textbook workbook Activboard Dry-erase boards iPad	
Week 15 *Nov. 27-30*	5.OA.A 5.OA.1 5.OA.2	-Use the order of operations to evaluate expressions. -Write simple expressions that show calculations with numbers. -Interpret numerical expressions without evaluating them.	Textbook workbook Activboard Dry-erase boards iPad	Quiz #3 Ch 13 les 1-2
Thanksgiving Holidays *Nov. 21-25*				
Week 16 *Dec. 04-08*	5.OA.2 5.G.1 5.G.2	-Use the order of operations to evaluate expressions. -Write simple expressions that show calculations with numbers.	Textbook workbook Activboard Dry-erase boards iPad	Test #3 Ch 13 les 1-4

		-Interpret numerical expressions without evaluating them. -Use reasoning to solve problems by making sense of quantities and relationships in the situation. -Locate points on a coordinate grid.	Coordinate Grids	
Week 17 *Dec. 11-15*	5.G.A 5.G.1 5.G.2 5.OA.B 5.OA.3	-Locate points on a coordinate grid. -Graph points on a coordinate grid. -Solve real-world problems by graphing points. -Use reasoning to solve problems by making sense of quantities and relationships in the situation. - learn divisibility rules for 2,4,5, and 10	Textbook workbook Activboard Dry-erase boards Coordinate girds iPad	Quiz #4 Ch 14 les 1-2
Week 18 *Dec. 18-20* 12/18 – Advent School Mass (5th) 12/20 ½ day	5.NF.A	- use divisibility rules for 2,3,4,5,6,9, and 10 - find factors and the GCF of a set of numbers (equivalent fractions) -identify the prime and composite #'s between1-100	Divisibility rules Activboard Dry-erase boards iPad	Test #4 Divisibility Rules GCF Prime and Composite #'s
Christmas Holidays *Dec. 21-05*				
3rd Quarter				
Week 19 *Jan. 08-12*	5.NF.A 5.NF.1 5.NF.2 5.NF.5.d	-Estimate sums and differences of fractions by using the nearest half or whole number. -Find common denominators for fractions with unlike denominators. -Add fractions with unlike denominators using equivalent fractions with a common denominator. -Subtract fractions with unlike denominators. -Write equivalent fractions to add and subtract fractions with unlike denominators. -Estimate sums and differences of fractions and mixed numbers.	Textbook workbook Activboard Dry-erase boards Fraction Strips Number lines iPad	

Week 20 *Jan. 15-19* 1/15 No School 1/17 – 5th Grade Retreat	5.NF.A 5.NF.1 5.NF.2 5.NF.5.d	-Estimate sums and differences of fractions by using the nearest half or whole number. -Find common denominators for fractions with unlike denominators. -Add fractions with unlike denominators using equivalent fractions with a common denominator. -Subtract fractions with unlike denominators. -Write equivalent fractions to add and subtract fractions with unlike denominators. -Estimate sums and differences of fractions and mixed numbers.	Textbook workbook Activboard Dry-erase boards Number lines Fraction strips iPad	Quiz #1 Intro to Fractions Ch 7 les1-2
Week 21 *Jan. 22-26* 1/25 – Religion Fair	5.NF.A 5.NF.1 5.NF.2	-Use models to subtract mixed numbers. -Subtract mixed numbers using equivalent fractions and a common denominator. -Add and subtract mixed numbers using equivalent fractions and a common denominator.	Textbook workbook Activboard Dry-erase boards Fraction Strips iPad	Test #1 Ch 7 Les 1-8
Week 22 *Jan. 29-02* Catholic Schools Week, 2/2 Pep Rally	5.NF.A 5.NF.1 5.NF.2	-Use models to subtract mixed numbers. -Subtract mixed numbers using equivalent fractions and a common denominator. -Add and subtract mixed numbers using equivalent fractions and a common denominator.	Textbook workbook Activboard Dry-erase boards Fraction Strips iPad	Quiz #2 Improper Fractions Mixed Numbers +/- fractions
Week 23 *Feb. 05-09* 2/9 ½ day (Grandparents Day)	5.NF.A 5.NF.1 5.NF.2 5.NF.4 5.NF.4c 5.NF.4d 5.NF.5 5.NF.5a 5.NF.6 5.NF.B	-Find the area of a rectangle using fractions and diagrams. -Use models, equations and previously learned strategies to multiply mixed numbers. -Compare the size of the product to the size of one factor without multiplying to consider multiplication as scaling. -Use previously learned knowledge to make sense of word problems. -Use models to subtract mixed numbers. -Subtract mixed numbers using equivalent fractions and a common denominator.	Textbook workbook Activboard Dry-erase boards Number Line iPad	Test #2 Ch 7 les 1-12

		-Add and subtract mixed numbers using equivalent fractions and a common denominator.		
Mardi Gras Holidays **Feb. 12-16**
Week 24 *Feb. 19-23*	5.NF.4 5.NF.4a 5.NF.4b 5.NF.5 5.NF.5b 5.NF.5c 5.NF.B	-Multiply a fraction by a whole number. -Multiply a whole number by a fraction. -Multiply fractions and whole numbers. -Use models to multiply two fractions. -Multiply two fractions.	Textbook workbook Activboard Dry-erase boards Number Lines Fraction Strips iPad	Quiz #3 Ch 8 les 1-3
Week 25 *Feb. 26-01*	5.NF.4 5.NF.4a 5.NF.4b 5.NF.5 5.NF.5b 5.NF.5c	-Multiply a fraction by a whole number. -Multiply a whole number by a fraction. -Multiply fractions and whole numbers. -Use models to multiply two fractions. -Multiply two fractions.	Textbook workbook Activboard Dry-erase boards Number Lines Fraction Strips iPad	Test #3 Ch. 8 les 4-7
Week 26 *Mar. 04-08*	5.NF.7 5.NF.7a 5.NF.7b 5.NF.7c	-Use models to divide unit fractions by non-zero whole numbers. -Use models to divide whole numbers and unit fractions. Check your answer using multiplication. -Solve multi-step problems involving division with unit fractions.	Textbook workbook Activboard Dry-erase boards Number Lines iPad	Quiz #4 Ch 9 Les 1-3
Week 27 *March 11-15*	5.G.1 5.G.2 5.OA.B 5.OA.3 5.G.A 5.MD.2 5.MD.B	-Read and analyze line plots. -Organize and display data in a line plot. -Solve problems using data in a line plot. -Critique the reasoning of others using understanding of line plots and fractions. -Locate points on a coordinate grid. -Graph points on a coordinate grid. -Solve real-world problems by graphing points.	Textbook workbook Activboard Dry-erase boards Coordinate Grids iPad	Test #4 Ch 9 les 1-3 Ch 10 Les 1-3
4th Quarter
Week 28 *March 18-22*	5.MD.1 5.MD.A	-Convert customary units of length.	Textbook workbook Activboard	Quiz #1 Ch. 12 les 1-3

		- Convert customary units of capacity. -Convert customary units of weight. -Convert units of time.	Dry-erase boards Inch ruler Yard stick Number lines iPad	
Week 29 *March 25-29* 3/29 No School (Good Friday)	5.MD.1 5.MD.A	-Convert metric units of length. -Convert metric units of capacity. -Convert metric units of mass. -Solve real-world problems with measurement conversions.	Textbook workbook Activboard Dry-erase boards Centimeter ruler Meter stick iPad	Test #1 Ch 12 les 1-6
Easter Holidays ***March 29-05***				
Week 30 *April 08-12*	5.MD.3 5.MD.3a 5.MD.3b 5.MD.4 5.MD.5 5.MD.5a 5.MD.5b 5.MD.5c 5.MD.C	-Find the volume of solid figures. -Find the volume of rectangular prisms using a formula. -Find the volume of a solid figure that is the combination of two or more rectangular prisms. -Use models, prior knowledge of volume and previously learned strategies to solve word problems involving volume.	Textbook workbook Activboard Dry-erase boards Unit Cubes iPad	Quiz #2 Ch.11 les 1-2
Week 31 *April 15-19*	5.MD.3 5.MD.3a 5.MD.3b 5.MD.4 5.MD.5 5.MD.5a 5.MD.5b 5.MD.5c 5.MD.C	-Find the volume of solid figures. -Find the volume of rectangular prisms using a formula. -Find the volume of a solid figure that is the combination of two or more rectangular prisms. -Use models, prior knowledge of volume and previously learned strategies to solve word problems involving volume.	Textbook workbook Activboard Dry-erase boards Unit Cubes iPad	Test #2 Ch11 les 1-3
Week 32 *April 22-26*	5.G.3 5.G.4	-Classify triangles by their angles and sides. -Classify quadrilaterals by their properties. -Classify quadrilaterals using a hierarchy. -Construct arguments about geometric figures.	Textbook workbook Activboard Dry-erase boards iPad	Quiz #3 Ch 16 les 1
Week 33 *April 29-03* 5/3 Field Day	5.G.3 5.G.4	-Classify triangles by their angles and sides. -Classify quadrilaterals by their properties. -Classify quadrilaterals using a hierarchy.	Textbook workbook Activboard Dry-erase boards iPad	Test #3 Ch 16 les 1-3

		-Construct arguments about geometric figures.		
Week 34 *May 06-10*	5.MD.3 5.MD.3a 5.MD.3b 5.MD.4 5.MD.5 5.MD.5a 5.MD.5b 5.MD.5c 5.MD.C	-Identify 3-D shapes by the number of sides, edges, vertices. -Use prior knowledge of 2-D shapes to identify a 3-D shape as a pyramid or a prism. - Find the volume of a solid figure.	Textbook workbook Activboard Dry-erase boards 3-D shapes iPad	Quiz #4 3-D Shapes Review Operations (+, - , x , ÷)
Week 35 *May 13-17*	5.MD.3 5.MD.3a 5.MD.3b 5.MD.4 5.MD.5 5.MD.5a 5.MD.5b 5.MD.5c 5.MD.C	-Identify 3-D shapes by the number of sides, edges, vertices. -Use prior knowledge of 2-D shapes to identify a 3-D shape as a pyramid or a prism. - Find the volume of a solid figure.	Textbook workbook Activboard Dry-erase boards 3-D Shapes iPad	Test #4 3-D Shapes Review Operations (+, - , x , ÷)
Week 36 *May 20-24* *5/21 Colonial Day* 5/24 ½ day	5.NBT.1 5.NBT.2 5.NBT.4 5.NBT.5 5.NBT.6 5.NBT.7 5.NF.1 5.NF.2 5.NF.4 5.NF.5	- +, -, x, ÷ whole #'s and decimals - +, -, x, ÷ fractions	Activboard Dry-erase boards iPad	