

**Our Lady of the Lake School**  
**Yearly Course Outline**  
**Math**  
**2<sup>nd</sup> Grade**  
**2009-2010**

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Christine Schellang	12
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**School Website:** [www.ourladyofthelakeschool.org](http://www.ourladyofthelakeschool.org)

**Power School Address:** [www.ollpowerschool.org](http://www.ollpowerschool.org)

**Course Description:**

The math program focuses on learning problem solving skills and computation procedures. Students will learn to apply these skills to a variety of new concepts. Students will use a variety of manipulatives to help develop these strategies.

**Text(s):** *Math* by Harcourt

**Methods of Assessment and Distribution:** All grades are weighted equally.

**Grade Scale:**

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

**Math**  
**Quarter 1**

Date	Objectives (The learner	Instructional Materials or	Louisiana Dept. of Education –	Assessments (Chapters/ Novel,
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	<b>will...)</b>	<b>Chapter(s) Number and Title</b>	<b>Mathematics Grade Level Expectations – Grade 2</b>	<b>Etc.) [Standard/ GLE]</b>
8/10-8/14	<p>Group tens and ones</p> <p>Identify the value of a digit in a two-digit number</p> <p>Read and write numbers</p> <p>To identify the place value of two-digit numbers</p> <p>Use the problem solving strategy “make reasonable estimates” to solve problems</p>	Chapter 1 Numbers to 100	<p>religion value 3</p> <p>N-1-E, N-2-E</p> <p>GLE 1, 3</p>	N-1-E GLE 1
8/17-8/21	<p>Identify the value of a digit in a two-digit number</p> <p>Read and write numbers</p> <p>Identify the place value of two-digit numbers</p> <p>Use the problem solving strategy “make reasonable estimates” to solve problems</p>	Chapter 1 Numbers to 100	<p>religion value 3</p> <p>N-1-E, N-2-E</p> <p>GLE 1, 3</p>	Chapter Test N-1-E GLE 1
8/24-8/28	<p>Count forward or backward using a number line</p>	Chapter 2 Number Patterns	<p>Religion value 3</p> <p>N-1-E, N-3-E, P-1-E, P-3-E, N-4-E</p> <p>GLE – 5, 30, 32, 6</p>	Chapter Test Oral math test N-1-E, N-3-E, P-1-E, P-3-E GLE – 5, 30, 32

<p>8/31-9/4</p>	<p>Skip count using a hundreds chart</p> <p>Identify numbers as odd or even</p> <p>Use the problem solving strategy “find a pattern” to solve problems</p> <p>Identify ordinal positions to twentieth</p> <p>Compare and order two-digit numbers</p> <p>Use the problem solving strategy “use a model” to solve problems</p>	<p>Chapter 3 Comparing and Ordering Numbers</p>	<p>Religion value 3 N-3-E, N-5-E, N-6-E, A-1-E, N-7-E, N-9-E GLE – 5, 7, 9, 12, 10</p>	<p>Chapter Test Oral Math Test N-3-E, N-5-E, N-6-E, A-1-E GLE – 5, 7, 9, 12</p>
<p>9/7-9/11</p>	<p>Gather information to make a tally table</p> <p>Compare data in tally tables, make and interpret data in concrete pictographs</p> <p>Use the problem solving strategy “use data from a graph” to solve problems</p>	<p>Chapter 4 Tables and Graphs</p>	<p>Religion value 3 D-1-E, D-2-E, D-3-E GLE-25, 26, 27, 28, 29</p>	<p>Chapter Test Oral Math Test D-1-E, D-2-E GLE-25, 26, 27</p>
<p>9/14-9/18</p>	<p>Use the strategies “counting on, doubles plus one, make a</p>	<p>Chapter 5 Addition Strategies</p>	<p>Religion value 3 N-3-E, N-4-E, N-5-E, N-6-E, N-7-E, N-8-E, GLE 7, 8, 9</p>	<p>Chapter Test Oral Math Test N-3-E, N-4-E, N-5-E, N-6-E, N-7-E, N-8-E,</p>

	<p>ten” to solve problems</p> <p>Find sums of three addends</p> <p>Use the problem solving strategy “draw a picture” to solve problems</p>			GLE 7, 8, 9
9/21-9/25	<p>Count back to solve subtraction sentences</p> <p>Use inverse operations and fact families to relate addition and subtraction</p> <p>Identify number expressions for given numbers</p> <p>Use the problem solving strategy “write a number sentence” to solve problems</p>	Chapter 6 Subtraction Strategies	Religion value 3 N-3-E, N-4-E, N-5-E, N-6-E, N-7-E, N-8-E, A-2-E GLE 7, 8, 9, 13	Chapter Test Oral Math Test N-3-E, N-4-E, N-5-E, N-6-E, N-7-E, N-8-E, GLE 7, 8, 9
9/28-10/2	<p>Count on to add tens and ones</p> <p>Model adding one and two-digit numbers</p> <p>Use the problem solving strategy “make a model” to solve problems</p>	Chapter 7 Two-digit addition	Religion value 3 N-5-E, N-6-E, N-7-E, N-8-E GLE 7, 9	Chapter Test Oral Math Test N-5-E, N-6-E, N-7-E, N-8-E GLE 7, 9
10/5-10/9	<p>Add one and two-digit numbers by using models</p>	Chapter 8 Two-digit addition	Religion value 3 N-5-E, N-6-E, N-7-E, N-8-E GLE 7, 9	Chapter Test Oral Math Test N-5-E, N-6-E, N-7-E, N-8-E GLE 7, 9

	<p>Rewrite two-digit addition problems</p> <p>Estimate sums</p> <p>Use the problem solving strategy “too much information” to solve a problem</p>			
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**Math  
Quarter 2**

<b>Date</b>	<b>Objectives (The learner will...)</b>	<b>Instructional Materials or Chapter(s) Number and Title</b>	<b>Louisiana Dept. of Education – Mathematics Grade Level Expectations – Grade 2</b>	<b>Assessments (Chapters/ Novel, Etc.) [Standard/ GLE]</b>
10/12-10/16	<p>Subtract tens</p> <p>Count back tens and ones</p> <p>Regroup tens as ones</p> <p>Model two-digit subtraction</p> <p>Use the problem solving strategy “choose the operation” to solve problem</p>	Chapter 9 Two-digit subtraction	Religion value 3 N-5-E, N-6-E, N-7-E, N-8-E GLE 7, 9	Chapter Test Oral Math Test N-5-E, N-6-E, N-7-E, N-8-E GLE 7, 9
10/13-10/24	<p>Subtract one and two-digit numbers</p> <p>Rewrite two-</p>	Chapter 10 Two-digit subtraction	religion value 3 N-5-E, N-6-E, N-7-E, N-8-E GLE 7, 9	Chapter Test Oral Math Test N-5-E, N-6-E, N-7-E, N-8-E GLE 7, 9

	<p>digit subtraction problems</p> <p>Estimate differences</p> <p>Use addition to check subtraction</p> <p>Use the problem solving strategy “use the computational method” to solve problems</p>			
10/26-10/30	<p>Add two-digit numbers</p> <p>Subtract two-digit numbers</p> <p>Add and subtract two-digit numbers</p> <p>Use the problem solving strategy “work backward” to solve problems</p>	<p>Chapter 11 Practice Two-Digit addition and subtraction</p>	<p>Religion value 3 N-5-E, N-6-E, N-7-E, N-8-E GLE 7, 9</p>	<p>Chapter Test Oral Math Test N-5-E, N-6-E, N-7-E, N-8-E GLE 7, 9</p>
11/02-11/06	<p>Identify and classify plane shapes</p> <p>Sort, combine, and separate shapes</p> <p>Use the problem solving strategy “to</p>	<p>Chapter 18-19 Plane Shapes Solid Figures</p>	<p>Religion value 3 G-1-E, G-2-E, G-5-E GLE – 21, 22, 24</p>	<p>Chapter Test Oral Math Test G-1-E, G-2-E GLE – 21, 22</p>

	<p>make a model” to solve problems</p> <p>Identify and classify solid figures</p> <p>Sort and compare solid figures</p> <p>Use the problem solving strategy “to make a table” to solve problems</p>			
11/09-11/13	<p>Identify and construct congruent figures and lines of symmetry</p>	Chapter 20 Spatial Sense	Religion value 3 G-1-E, G-2-E, G-3-E, G-4-E GLE – 21, 22, 23	Chapter Test Oral Math Test G-1-E, G-2-E, G-3-E, G-4-E GLE – 21, 22, 23
	<p>Move figures by sliding, flipping and turning</p>			
11/16-11/20	<p>Describe, extend, and create patterns</p> <p>Use problem solving skill “to transfer a pattern” to solve problems</p> <p>Use the problem solving skill “to correct a pattern” to solve problems</p>	Chapter 21 Patterns	Religion value 3 P-1-E, P-2-E GLE 30, 31	Chapter Test Oral Math Test P-1-E, P-2-E GLE 30, 31

11/23-11/27	Thanksgiving			
11/30-12/4 12/7-12/11	<p>Count on to find total numbers</p> <p>Count mixed collections of coins</p> <p>Use the decimal notation and the dollar symbol</p> <p>Use the cents sign when adding money amounts</p> <p>Use the problem solving strategy “make a list” to solve problems</p>	Chapter 12 Counting Money	Religion value 3 N-2-E, N-5-E, M-1-E, M-5-E GLE – 4, 7	Chapter Test Oral Math Test N-2-E, N-5-E, M-1-E, M-5-E GLE – 4, 7
12/14-12/18	<p>Identify different ways to make the same amount</p> <p>Identify and model amounts by using the fewest coins</p> <p>Compare amounts to prices</p> <p>Count on from prices to make change</p> <p>Use cents sign</p>	Chapter 13 Using Money	Religion value 3 N-2-E, N-5-E, N-9-E, M-1-E, M-5-E GLE – 4, 7, 11	Chapter Test Oral Math Test N-2-E, N-5-E, N-9-E, M-1-E, M-5-E GLE – 4, 7, 11

	when subtracting money amounts			
	Use the problem solving strategy “use estimation” to solve problems			
12/21-1/1	Christmas			

**Math  
Quarter 3**

<b>Date</b>	<b>Objectives (The learner will...)</b>	<b>Instructional Materials or Chapter(s) Number and Title</b>	<b>Louisiana Dept. of Education – Mathematics Grade Level Expectations – Grade 2</b>	<b>Assessments (Chapters/ Novel, Etc.) [Standard/ GLE]</b>
1/4-1/8 1/11-1/15	Measure time using minutes, half hour, or hour	Chapter 14 Telling Time	Religion value 3 M-1-E GLE 16	Chapter Test Oral Math Test M-1-E GLE 16
	Use the problem solving strategy “make a model” to solve problems			
1/18-1/22	Use a calendar  Estimate time	Chapter 15 Understanding Time	religion value 3 M-1-E, M-3-E GLE – 16, 20	Chapter Test M-1-E, M-3-E GLE – 16, 20
	Use the problem solving strategy “use a table” to solve problems			
1/25-1/29	Use the problem solving strategy “make a graph” to solve problems	Chapter 16 Tables and Graphs	Religion value 3 D-1-E, D-2-E GLE – 25, 26	Chapter Test Oral Math Test D-1-E, D-2-E GLE – 25, 26
	Find the range, median, and mode			
	Locate points on a grid			

2/1-2/5	<p>Read and interpret data in a line graph</p> <p>Use the problem solving strategy “make a prediction” to solve problems</p> <p>Measure length by using nonstandard units</p> <p>Measure length by using inches, feet, and yards</p> <p>Read a Fahrenheit thermometer and identify the temperature</p>	Chapter 22 Length and Temperature	Religion value 3 M-1-E, M-2-E GLE – 14, 15, 18, 19	Chapter Test Oral Math Test M-1-E, M-2-E GLE – 14, 15, 18
2/8-2/12	<p>Measure capacity using nonstandard units</p> <p>Measure capacity using standard units</p> <p>Measure weight using nonstandard units</p> <p>Use the problem solving strategy “determine the correct measuring tool to use” to solve a problem</p>	Chapter 23 Capacity and Weight	Religion value 3 M-1-E, M-2-E GLE 14, 17, 18	Chapter Test Oral Math Test
2/15-2/19	Mardi Gras			
2/22-2/26	<p>Measure the perimeter of a figure</p> <p>Find the area of a flat surface</p>	Chapter 25 Perimeter, Area, and Volume	Religion value 3 M-1-E GLE 14	Chapter Test Oral Math Test M-1-E GLE 14

3/1-3/5	<p>Find the volume of a solid figure</p> <p>Identify equal parts and unit fractions</p> <p>Identify fractions other than unit fractions</p> <p>Identify fractions equal to 1</p> <p>Identify parts of a group by using fractions</p> <p>Identify groups of 100</p>	Chapter 26 Fractions	Religion value 3 N-1-E GLE 2	Chapter Test Oral Math Test N-1-E GLE 2
3/8-3/12	<p>Model hundreds, tens and ones</p> <p>Use the problem solving strategy “to make a model” to show money amounts</p> <p>Find place value in three-digit numbers</p> <p>Read and write numbers</p>	Chapter 27 Numbers to 1,000	Religion value 3 N-1-E GLE 1	Chapter Test Oral Math Test N-1-E GLE 1

**Math  
Quarter 4**

<b>Date</b>	<b>Objectives (The learner will...)</b>	<b>Instructional Materials or Chapter(s) Number and Title</b>	<b>Louisiana Dept. of Education – Mathematics Grade Level Expectations – Grade 2</b>	<b>Assessments (Chapters/ Novel, Etc.) [Standard/ GLE]</b>
3/15-3/19	Use the $>$ , $<$ , and $=$ to compare three digit numbers	Chapter 28 Comparing and Ordering Numbers	Religion value 3 N-1-E, N-3-E, A-1-E, P-1-E GLE 1,5,12,30	Chapter Test Oral Math Test N-1-E, N-3-E, A-1-E, P-1-E GLE 1,5,12,30

	<p>Identify the missing numbers in a sequence</p> <p>Find unknown numbers on a number line</p> <p>Use a variety of methods to skip-count</p> <p>Use the problem solving strategy “find a pattern” to solve problems</p>			
3/22-3/26	Terra Nova			
3/29-4/2	<p>Add three-digit numbers and determine when regrouping of tens is needed</p> <p>Model and subtract three-digit numbers</p> <p>Use the problem solving skill “solve multistep problems” to solve problems</p>	Chapter 29 Adding and Subtracting three-digit numbers	Religion value 3 N-4-E, N-5-E, N-6-E GLE – 7, 8, 9	Chapter Test Oral Math Test N-4-E, N-5-E, N-6-E GLE – 7, 8, 9
4/5-4/9	Easter			
4/12-4/16	Model equal groups and use repeated addition and multiplication sentences to find how many in all	Chapter 30 Multiplication and Division Concepts	Religion value 3 N-4-E, N-5-E, N-6-E GLE – 7, 9	Chapter Test Oral Math Test N-4-E, N-5-E, N-6-E GLE – 7, 9
4/19-4/23	<p>Learn how to multiply numbers in any order</p> <p>Learn the division concept of equal</p>			

	groups			
	Use the problem solving strategy “act it out” to solve problems			
4/26-4/30	Measure length by using centimeters and meters	Chapter 24 Metric Measurement	Religion value 3 M-1-E GLE 14	Chapter Test M-1-E GLE 14
	Measure capacity using milliliters and liters			
	Measure weight using grams and kilograms			
	Read a Celsius thermometer and determine the temperature			
5/3-5/7	Determine and record outcomes of an experiment	Chapter 17 Probability	Religion value 3 D-5-E	Chapter Test Oral Math Test D-5-E
	Use the problem solving skill “to use a table” to solve problems			
5/10-5/14	Two and Three-digit addition and subtraction review	Chapter 11 Two and three digit addition and subtraction		
5/17-5/21	Multiplication and division review	Chapter 30 Multiplication and division concepts		
5/24-5/28	End of the Year Review			