

# **Oakview Preparatory School**

## **Grade 3 Math Long Range Lesson Plans**

Based On

**North American Division and New York State Standards**

**Teacher: Mrs. Judith White, M.Ed.**

**2023-2024**

# Mathematics

**Textbook:** Big Ideas  
**Supplementary Material:** Go Math  
Supporting the Standards Foundational Mathematics 3  
Common Core Coach  
[www.ixl.com](http://www.ixl.com)

<u>Month</u>	<u>Topics</u>	<u>Textbook Alignment</u>
September	<b><u>Understanding Multiplication and Division</u></b> Use Equal Groups to Multiply Use Arrays to Multiply Multiply in Any Order Divide: Size of Equal Groups Use Number Line to Multiply and Divide	Chapter 1
October	<b><u>Multiplication Facts and Strategies</u></b> Multiply by 2, 5, 10, 0, 1 Use the Distributive Property Problem Solving: Multiplication <b><u>More Multiplication Facts and Strategies</u></b> Multiplication by 3, 6, 7, 8, 9, Practice Multiplication Strategies Multiply Three Factors More Problem Solving: Multiplication	Chapter 2  Chapter 3
November	<b><u>Division Facts and Strategies</u></b> Use Arrays to Divide Relate Multiplication and Division Divide by 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 Practice Division Strategies Problem Solving: Division	Chapter 4
December	<b><u>Patterns and Fluency</u></b> Identify Patterns in the Multiplication Table Use and Complete Multiplication Tables Problem Solving <b><u>Relate Area to Multiplication</u></b> Understand Area Measure Area Using Standard Units	Chapter 5  Chapter 6

Area and the Distributive Property

January

**Round and Estimate Numbers**

Chapter 7

Place Value  
Rounding Numbers Using a Number Line  
Round Numbers Using Place Value  
Estimate Sums  
Estimate Differences

**Add and Subtract Multidigit Numbers**

Chapter 8

Identify Addition Properties  
Use Number Lines to Add and Subtract  
Use Mental Math to Add and Subtract  
Use Partial Sums to Add  
Add and Subtract Three-Digit Numbers  
Relate Addition and Subtraction  
Problem Solving: Addition and Subtraction

February

**Multiples and Problem Solving**

Chapter 9

Multiply by Multiples of 10 Using:  
Number Lines  
Place Value  
Associative and Distributive Properties  
Problem Solving: Multiplication and Division  
Problems Solving: All Operations

**Understand Fractions**

Chapter 10

Equal Parts of a Whole  
Understanding a Unit Fraction  
Write Fractions of a Whole  
Plot Fractions on a Number Line Less Than/Greater Than 1

March

**Understand Fraction Equivalence and Comparison**

Chapter 11

Equivalent Fractions on a Number Line  
Relate Fractions to Whole Numbers  
Compare Fractions with the Same Denominator/Numerator  
Compare Fractions on a Number Line  
Compare and order Fractions

**Understand Time, Liquid, Volume, and Mass**

Chapter 12

Time to the Nearest Minute  
Measure Elapsed Time Within the Hour  
Measure Elapsed Time Across the Hour  
Read Calendars  
Problem Solving: Time Interval Problems  
Understand and Estimate Liquid Volume  
Measure Liquid Volume  
Understand and Estimate Mass  
Measure Mass  
Measure Temperature

**April**

**Classify Two-Dimensional Shapes**

Identify Sides and Angles of Quadrilaterals  
Describe, Classify and Draw Quadrilaterals  
Relate Shapes and Fractions.

**Represent and Interpret Data**

Read and Interpret Picture Graphs and Bar Graphs  
Make Picture Graphs, Bar Graphs, and Line Plots  
Measure Lengths: Half Inch, Quarter Inch

Chapter 13

Go Math 12.9

Chapter 14

**May/June**

**Find Perimeter and Area**

Understand Perimeter  
Find Perimeter of Polygons  
Find Unknown Side Lengths  
Same Perimeter, Different Areas  
Same Area, Different Perimeters

Chapter 15

**Enrichment**

Projects