



2022/2023 Scope and Sequence

Grade: Fourth

Month: Sept/Oct

Content Area: Math Unit One

Big Idea #1: Place Value to One Million

Big Idea #2 & 3 - Addition & Subtraction of greater numbers

<i>What our students will know and be able to do</i>	<i>Learning Activities</i>	<i>Materials</i>	<i>Assessment tools</i>	<i>Notes</i>
<ul style="list-style-type: none"> • Place value to thousands • Place value patterns • Round numbers • Numbers to one million • Compare and round greater numbers • Make new groups for addition • Add greater numbers • Estimation and mental math • Subtract from thousands • Subtraction undoes addition • Subtract greater numbers 	<ul style="list-style-type: none"> • Whole group discussions • Whiteboard practice • Daily lesson worksheets 	<ul style="list-style-type: none"> • Math Expressions Workbook Unit One Lessons 1-1 to 1-14 	<ul style="list-style-type: none"> • Formative Assessments • Quizzes • Fluency Checks • Unit One Test 	<ul style="list-style-type: none"> • Using no-prep packets can also give additional resources to practice these math skills • Sept No Prep • Oct No Prep • Nov No Prep • Dec No Prep

- | | | | | |
|------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|
| <ul style="list-style-type: none">• Practice addition and subtraction• Problem solving with greater numbers | | | | |
|------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|



2022/2023 Scope and Sequence

Grade: Fourth Month: October / November

Content Area: Math Unit 2 Big Idea #1: Multiplication w/ whole numbers.

Big Idea #2 & 3: Multiply one and two digit numbers.

Big Idea #4: Multiplication with Thousands

<i>What our students will know and be able to do</i>	<i>Learning Activities</i>	<i>Materials</i>	<i>Assessment tools</i>	<i>Notes</i>
<ul style="list-style-type: none"> • Arrays and area models • Connect place value and multiplication • Mental math and multiplication • Model one digit by two digit multiplication • Estimate products • Use place value to multiply • Algebraic notation method • Compare methods of one digit by two digit multiplication 	<ul style="list-style-type: none"> • Whole group discussions • Whiteboard practice • Daily lesson worksheets 	<ul style="list-style-type: none"> • Math Expressions Workbook Unit 2 Lessons 2-1 to 2-19 	<ul style="list-style-type: none"> • Formative Assessments • Quizzes • Fluency Checks • Unit Two Test 	<ul style="list-style-type: none"> • Using no-prep packets can also give additional resources to practice these skills • Sept No Prep • Oct No Prep • Nov No Prep • Dec No Prep

<ul style="list-style-type: none">• Compare different multiplication methods• One digit by three digit multiplication• Multi Step word problems• Two digit by two digit multiplication• Different methods for two digit multiplication• Check products of two digit numbers• Practice multiplication• Multiply one digit and four digit numbers• Use the shortcut method for multiplication• Practice multiplying				
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--	--	--	--



2022/2023 Scope and Sequence

Grade: Fourth

Month: November/December

Content Area: Math

Unit 3

Big Idea #1: Dividing whole numbers

Big Idea #2: Division issues and word problems

<i>What our students will know and be able to do</i>	<i>Learning Activities</i>	<i>Materials</i>	<i>Assessment tools</i>	<i>Notes</i>
<ul style="list-style-type: none"> • Divide with remainders • Relate three digit multiplication to division • Discuss two digit and four digit quotients • Digit by digit method • Relate three methods • Divide by any method • Just under quotient digits • Estimate to check quotients • Make sense of remainders • Mixed problem solving 	<ul style="list-style-type: none"> • Whole group discussions • Whiteboard practice • Daily lesson worksheets 	<ul style="list-style-type: none"> • Math Expressions Workbook Unit 3 Lessons 3-1 to 3-11 	<ul style="list-style-type: none"> • Formative Assessments • Quizzes • Fluency Checks • Unit Three Test 	<ul style="list-style-type: none"> • Using no-prep packets can also give additional resources to practice these skills • Sept No Prep • Oct No Prep • Nov No Prep • Dec No Prep



2022/2023 Scope and Sequence

Grade: Fourth

Month: January/February

Content Area: Math

Unit 4

Big Idea #1: Reasoning and Solving

Problems

Big Idea #2: Comparison Word Problems

Big Idea #3: Problems with more than one step

Big Idea #4: Analyzing Patterns

<i>What our students will know and be able to do</i>	<i>Learning Activities</i>	<i>Materials</i>	<i>Assessment tools</i>	<i>Notes</i>
<ul style="list-style-type: none"> • Properties and Algebraic Notation • Situation and Solution Equations for Addition and Subtraction • Situation and Solution Equations for Multiplication and Division • Multiplication Comparisons • Discuss Comparison Problems • Graphs and Comparison Problems • Solve Two Step Problems • Solve Multistep 	<ul style="list-style-type: none"> • Whole group discussions • Whiteboard practice • Daily lesson worksheets 	<ul style="list-style-type: none"> • Math Expressions Workbook Unit 4 Lessons 4-1 to 4-12 	<ul style="list-style-type: none"> • Formative Assessments • Quizzes • Fluency Checks • Unit Four Test 	<ul style="list-style-type: none"> • Using no-prep packets can also give additional resources to practice these skills • Sept No Prep • Oct No Prep • Nov No Prep • Dec No Prep • Jan No Prep • Feb No Prep • Mar No Prep

<p>Problems</p> <ul style="list-style-type: none">● Practice with Multi Step Problems● Factors and Prime Numbers● Analyze Patterns				
--------------------------------------------------------------------------------------------------------------------------------------------------------------------	--	--	--	--



2022/2023 Scope and Sequence

Grade: Fourth

Month: February/March

Content Area: Math Unit 5

Big Idea #1: Converting Measurements

Big Idea #2: Perimeter and Area

<i>What our students will know and be able to do</i>	<i>Learning Activities</i>	<i>Materials</i>	<i>Assessment tools</i>	<i>Notes</i>
<ul style="list-style-type: none"> • Measure Length • Metric Measures of Liquid Volume and Mass • Units of Time • Customary Measures of Length • Customary Measures of Weight and Liquid Volume • Perimeter and Area of Rectangles • Solve Measurement Problems • Math Review to cover: Rounding, seven digit addition and subtraction, money multiplication, area & perimeter, multiplying 3 digit numbers, long division 	<ul style="list-style-type: none"> • Whole group discussions • Whiteboard practice • Daily lesson worksheets • Final Zoo Project 	<ul style="list-style-type: none"> • Math Expressions Workbook Unit 5 Lessons 5-1 to 5-8 • Measurement Zoo Project • Measurement Doodle Notes 	<ul style="list-style-type: none"> • Formative Assessments • Quizzes • Fluency Checks • Unit Five Test 	<ul style="list-style-type: none"> • Using no-prep packets can also give additional resources to practice these skills • Sept No Prep • Oct No Prep • Nov No Prep • Dec No Prep • Jan No Prep • Feb No Prep • Mar No Prep • Apr No Prep • The last weeks of March I spend time on a major math review, covering all subjects we have learned thus far. Most of the practice for this review comes from the no prep packets.



2022/2023 Scope and Sequence

Grade: Fourth

Month: April

Content Area: Math

Unit 6

Big Idea #1: Fractions with Like

Denominators

Big Idea #2: Mixed Numbers with Like Denominators

Big Idea #3: Multiply Fractions and Whole Numbers

<i>What our students will know and be able to do</i>	<i>Learning Activities</i>	<i>Materials</i>	<i>Assessment tools</i>	<i>Notes</i>
<ul style="list-style-type: none"> • Understand Fractions • Fractions that Add to One • Add and Subtract Fractions with Like Denominators • Mixed Numbers and Fractions Greater Than 1 • Add and Subtract Mixed Numbers with Like Denominators • Practice with Fractions and Mixed Numbers • Multiply a Fraction by a Whole Number • Practice Multiplying a Fraction by a Whole Number 	<ul style="list-style-type: none"> • Whole group discussions • Whiteboard practice • Daily lesson worksheets 	<ul style="list-style-type: none"> • Math Expressions Workbook Unit 6 Lessons 6-1 to 6-10 	<ul style="list-style-type: none"> • Formative Assessments • Quizzes • Fluency Checks • Unit Six Test 	<ul style="list-style-type: none"> • Using no-prep packets can also give additional resources to practice these skills • Sept No Prep • Oct No Prep • Nov No Prep • Dec No Prep • Jan No Prep • Feb No Prep • Mar No Prep • Apr No Prep • May No Prep • June No Prep

- Mixed Practice

--

--

--

--



2022/2023 Scope and Sequence

Grade: Fourth

Month: April/May

Content Area: Math

Unit 7

Big Idea #1: Comparing Fractions

Big Idea #2: Equivalent Fractions

Big Idea #3: Understanding Decimals

<i>What our students will know and be able to do</i>	<i>Learning Activities</i>	<i>Materials</i>	<i>Assessment tools</i>	<i>Notes</i>
<ul style="list-style-type: none"> • Compare Fractions • Fractions on the Number Line • Fractions of Different Size Wholes • Equivalent Fractions Using Multiplication • Equivalent Fractions Using Division • Compare Fractions with Unlike Denominators • Fractions and Line Plots • Relate Fractions and Decimals • Explore Decimal Numbers • Compare Decimals to Hundredths 	<ul style="list-style-type: none"> • Whole group discussions • Whiteboard practice • Daily lesson worksheets 	<ul style="list-style-type: none"> • Math Expressions Workbook Unit 7 Lessons 7-1 to 7-13 	<ul style="list-style-type: none"> • Formative Assessments • Quizzes • Fluency Checks • Unit Seven Test 	<ul style="list-style-type: none"> • Using no-prep packets can also give additional resources to practice these skills • Sept No Prep • Oct No Prep • Nov No Prep • Dec No Prep • Jan No Prep • Feb No Prep • Mar No Prep • Apr No Prep • May No Prep • June No Prep

- Decimals Greater than 1
- Compare Decimals Greater than 1

--

--

--

--



2022/2023 Scope and Sequence

Grade: Fourth

Month: May/June

Content Area: Math

Unit 8

Big Idea #1: Measuring and Drawing

Angles

Big Idea #2: Triangles and Angle Measurements

Big Idea #3: Analyzing Quadrilaterals

Big Idea #4: Analyzing Polygons

<i>What our students will know and be able to do</i>	<i>Learning Activities</i>	<i>Materials</i>	<i>Assessment tools</i>	<i>Notes</i>
<ul style="list-style-type: none"> • Points, Rays, and Angles • Measuring Angles • Circles and Angles • Name Triangles • Compose and Decompose Angles • Real World Problems • Parallel and Perpendicular Lines and Line Segments • Classify Quadrilaterals • Decompose Quadrilaterals and Triangles • Classify Polygons 	<ul style="list-style-type: none"> • Whole group discussions • Whiteboard practice • Daily lesson worksheets 	<ul style="list-style-type: none"> • Math Expressions Workbook Unit 8 Lessons 8-1 to 8-12 	<ul style="list-style-type: none"> • Formative Assessments • Quizzes • Fluency Checks • Unit Eight Test 	<ul style="list-style-type: none"> • Using no-prep packets can also give additional resources to practice these skills • Sept No Prep • Oct No Prep • Nov No Prep • Dec No Prep • Jan No Prep • Feb No Prep • Mar No Prep • Apr No Prep • May No Prep • June No Prep

- Line Symmetry

--

--

--

--