

Curriculum Map

Subject: Math	Grade: 3	
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Time Frame	Topic	Content	Resources		
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September	Numeration	<ul style="list-style-type: none"> Representing number in standard, expanded, word and place value form Understanding number lines comparing numbers to the thousands ordering numbers from greatest to least and least to greatest Problem Solving: Using an organized list 	<p><u>Envision Math</u> practice and reteaching book</p> <p>Manipulatives: number cards, place value charts, math journals</p>	<p>Envision math topic assessment</p> <p>Envision math Quick Checks</p> <p>Envision math Daily Common Core</p>	<p>3.nbt.1</p> <p>3.nbt.2</p>
October	Number Sense	<ul style="list-style-type: none"> Addition meaning and properties – Commutative, Identity and Associative Properties of Addition Subtraction meanings Using mental math to add and subtract 2 digit numbers Rounding numbers to the nearest 10 and 100 Estimating sums and differences Making sense of Addition and subtraction equations Problem Solving – checking for reasonableness – Does it Make Sense?? 	<p><u>Envision Math</u> practice and reteaching book</p> <p>Manipulatives: number cards, place value charts, math journals</p>	<p>Envision Math Topic Assessment</p> <p>Envision math Quick Checks</p> <p>Envision math Daily Common Core</p>	<p>3.NBT.1</p> <p>3.NBT.2</p> <p>3.OA.8</p> <p>3.OA.9</p>

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October	Using Place Value to Add and Subtract	<ul style="list-style-type: none"> • Adding with expanded algorithms • Introducing different models for adding 3 digit numbers • Adding 3 digit numbers • Adding 3 or more numbers • Problem Solving- Drawing pictures and diagrams to help understanding- • Subtracting with expanded algorithms • Introduce different models for subtracting 3 digit numbers • Subtracting 3 digit numbers • Subtracting across zeros • Problem Solving-draw a picture and write number sentences <p>**Throughout year continue to add and subtract 4 and 5 digit numbers</p>	<p><u>Envision Math</u> practice and reteaching book</p> <p>Manipulatives: number cards, place value charts, math journals</p>	<p>Envision Math Topic Assessment</p> <p>Envision math Quick Checks</p> <p>Envision math Daily Common Core</p>	<p>3.NBT.1</p> <p>3.NBT.2</p> <p>3.OA.8</p>
November	Meanings of Multiplication	<p>*Multiplication as repeated addition</p> <ul style="list-style-type: none"> • Arrays and multiplication • The Commutative Property of Multiplication • Writing multiplication stories 	<p><u>Envision Math</u> practice and reteaching book</p> <p>Manipulatives: number cards, place value charts, math</p>	<p>Envision Math Topic Assessment</p> <p>Envision math Quick Checks</p>	<p>3.OA.1</p> <p>3.OA.3</p> <p>3.OA.5</p> <p>3.OA.9</p>

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December	Multiplication Facts: Use Patterns	<ul style="list-style-type: none"> • Represent and solve problems involving multiplication • 2 and 5 as factors • 9 as a factor • Multiplying with 0 and 1 • Patterns for facts using a 100 chart • 10 as a factor • Multiplying by multiples of 10 • Problem Solving- solving 2 question problems • Represent and solve problems involving addition, subtraction and multiplication 	<p>journals</p> <p><u>Envision Math</u> practice and reteaching book</p> <p>Manipulatives: number cards, flash cards, math journals, math games</p> <p>Youtube multiplication songs and videos</p>	<p>Envision math Daily Common Core</p> <p>Envision Math Topic Assessment</p> <p>Envision math Quick Checks</p> <p>Envision math Daily Common Core</p> <p>Teacher made speed tests</p>	<p>3.OA.3</p> <p>3.OA.7</p> <p>3.OA.8</p> <p>3.OA.9</p> <p>3.NBT.3</p>
	Multiplication Facts: Use known facts	<ul style="list-style-type: none"> • The distributive Property • Breaking apart factors to known facts • 3 as a factor • 4 as a factor (double, double rule) • 6, 7, and 8 as factors 	<p><u>Envision Math</u> practice and reteaching book</p> <p>Manipulatives: number cards, flash cards, math</p>	<p>Envision Math Topic Assessment</p> <p>Envision math Quick Checks</p> <p>Envision math Daily</p>	<p>3.OA.3</p> <p>3.OA.5</p> <p>3.OA.8</p> <p>3.MD.7</p> <p>3.MD.8</p>

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January	Meaning of Division	<ul style="list-style-type: none"> • division as equal sharing • division as repeated subtraction • using a multiplication table to find quotients • writing division stories • Problem solving: students will choose operation and use objects or draw pictures to solve 	<p style="text-align: center;">Envision Math practice and reteaching book</p> <p style="text-align: center;">Manipulatives: flash cards, multiplication table</p>	<p style="text-align: center;">Common Core</p> <p style="text-align: center;">Teacher made speed tests</p> <p style="text-align: center;">Envision Math Topic Assessment</p> <p style="text-align: center;">Envision math Quick Checks</p> <p style="text-align: center;">Envision math Daily Common Core</p>	<p style="text-align: center;">3.OA.2</p> <p style="text-align: center;">3.OA.3</p> <p style="text-align: center;">3.OA.4</p> <p style="text-align: center;">3.OA.6</p> <p style="text-align: center;">3.OA.9</p>
February	Division Facts	<ul style="list-style-type: none"> • relate multiplication and division • fact families • making sense of multiplication and division equations • dividing with 0 and 1 • Problems Solving: multiple step problems. Use diagrams and pictures to write number sentences 	<p style="text-align: center;">Envision Math practice and reteaching book</p> <p style="text-align: center;">Manipulatives: flashcards and division games</p>	<p style="text-align: center;">Envision Math Topic Assessment</p> <p style="text-align: center;">Envision math Quick Checks</p> <p style="text-align: center;">Envision math Daily Common Core</p>	<p style="text-align: center;">3.OA.3</p> <p style="text-align: center;">3.OA.4</p> <p style="text-align: center;">3.OA.5</p> <p style="text-align: center;">3.OA.7</p> <p style="text-align: center;">3.OA.8</p>

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February March	Understanding Fractions	<ul style="list-style-type: none"> • dividing regions into equal parts • fractions and regions • fractions and sets • fractional parts of a set • locating fractions on number line • benchmark fractions • fractions and length • Problem Solving: making tables and finding patterns 	<p>Envision Math practice and reteaching book</p> <p>Manipulatives: Fraction bars, fraction rounds Fraction strips</p>	<p>Envision Math Topic Assessment</p> <p>Envision math Quick Checks</p> <p>Envision math Daily Common Core</p>	<p>3.NF.1</p> <p>3.NF.2</p> <p>3.NF.2.a</p> <p>3.NF.2.b</p> <p>3.OA.3</p>
	Fraction Comparison and Equivalence	<ul style="list-style-type: none"> • Using models to compare fractions with the same denominators • using models to compare fractions with the same numerator • comparing fractions using benchmarks • comparing fractions on a number line • finding equivalent fractions equivalent fractions and the number line • whole numbers and fractions 	<p>Envision Math practice and reteaching book</p> <p>Manipulatives: Fraction bars, fraction rounds Fraction strips (student made)</p>	<p>Envision Math Topic Assessment</p> <p>Envision math Quick Checks</p> <p>Envision math Daily Common Core</p>	<p>3.NF.2</p> <p>3.NF.3</p> <p>3.NF.3.a</p> <p>3.NF.3.b</p> <p>3.NF.3.c</p> <p>3.NF.3.d</p>

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April	Two dimensional shapes and their attributes	<ul style="list-style-type: none"> • using fractions • lines and segments • angles • polygons • triangles • quadrilaterals • combining and separating shapes • Problem solving: make and test generalizations 	<u>Envision Math</u> Practice and reteaching book Manipulatives: Rulers, pattern blocks and right angles	*Envision Math Topic Assessment *Envision math Quick Checks *Envision math Daily Common Core	3.G.1 3.G.2
	Time	<ul style="list-style-type: none"> • Time to the half hour and quarter hour • Time to the minute • Units of time • Elapsed time • Problem Solving: working backwards to find solution 	<u>Envision Math</u> Practice and reteaching book Manipulatives: Class set of clocks	*Envision Math Topic Assessment *Envision math Quick Checks *Envision math Daily Common Core	3.MD.1

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May	Perimeter	<ul style="list-style-type: none"> • understanding perimeter • units for perimeter • perimeter of common shapes • different shapes with the same perimeter • Problem Solving: try, check and revise 	<u>Envision Math</u> practice and reteaching book Manipulatives: Inch and centimeter rulers	Envision Math Topic Assessment Envision math Quick Checks Envision math Daily Common Core	3.MD.8
	Area	<ul style="list-style-type: none"> • covering regions • area and units • standard units • area of squares and rectangles • area and the distributive property • area of irregular shapes • same area, different perimeter • equal areas and fractions • selecting appropriate measurement units and tools 	<u>Envision Math</u> practice and reteaching book Manipulatives: Graph paper rulers		3.MD.5 3.MD.5.a 3.MD.5.b 3.MD.6 3.MD.7 3.MD.7.a 3.MD.7.b 3.MD.7.c 3.MD.7.d 3.MD.8 3.g.2

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June	Liquid Volume and Mass	<ul style="list-style-type: none"> • customary units of capacity • metric units of capacity • units of mass • units of weight 	Envision Math practice and reteaching book Manipulatives: Measuring cups, weights	Envision Math Topic Assessment Envision math Quick Checks Envision math Daily Common Core	3.MD.2 3.MD.3 3.MD.4
	Data	<ul style="list-style-type: none"> • line plots • pictographs • bar graphs • drawing conclusion using tables and graphs 	Envision Math practice and reteaching book Manipulatives: Scholastic news throughout the year	Envision Math Topic Assessment Envision math Quick Checks Envision math Daily Common Core	