

Saint Theresa of Avila School- West Roxbury, MA
Curriculum Maps

Subject: Math	Grade: 3
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Time Frame	Essential Question	Topic	Content	Resources	Assessments	Standards
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September	How are numbers represented, named, compared and located on number lines?	Numeration	<p>Representing number in standard, expanded, word and place value form</p> <p>Understanding number lines</p> <p>Comparing numbers to the thousands</p> <p>Ordering numbers from greatest to least and least to greatest</p> <p>Problem Solving: Using an organized list</p>	<p>Pearson, EnVision Math textbook</p> <p>Common Core Reteaching and Practice Workbook</p> <p>Pearson website: www.pearsonsuccessnet.com</p> <p>Pearson printable resources</p> <p>SMARTBoard</p> <p>Superteacherworksheets.com</p> <p>ixl app for iPads</p> <p>Place value blocks</p> <p>Place value charts</p> <p>Math journals</p> <p>Individual dry erase boards</p>	<p>EnVision Math printable resources: Lesson quizzes chapter tests</p> <p>Pearson Test Generator software</p>	<p>3.NBT.1 3.NBT.2</p>
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<p style="text-align: center;">October</p>	<p>How can we explain the concepts of addition and subtraction?</p> <p>How can using properties, rounding, and estimating help us to add mentally?</p> <p>How can rounding and estimating help us subtract mentally?</p>	<p>Number Sense: Addition and Subtraction</p>	<p>Addition meaning and properties – Commutative, Identity and Associative Properties of Addition</p> <p>Subtraction meanings</p> <p>Using mental math to add and subtract 2 digit numbers</p> <p>Rounding numbers to the nearest 10 and 100</p> <p>Estimating sums and differences</p> <p>Making sense of Addition and subtraction equations</p> <p>Problem Solving – checking for reasonableness</p>	<p>EnVision Math textbook</p> <p>Number lines</p> <p>Hundred charts</p> <p>Interlocking cubes</p> <p>Common Core Reteaching and Practice Workbook</p> <p>Pearson website</p> <p>Pearson printable resources</p> <p>SMARTBoard superteacherworksheets.com</p> <p>ixl app for iPads</p> <p>Place value blocks</p> <p>Place value charts</p> <p>Math journals</p> <p>Individual dry erase boards</p>	<p>EnVision Math printable resources: Lesson quizzes chapter tests</p> <p>Pearson Test Generator software</p>	<p>3.NBT.1 3.NBT.2 3.OA.8 3.OA.9</p>
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<p>October continued</p>	<p>How do place value blocks help us understand the regrouping involved in addition and subtraction?</p>	<p>Using Place Value to Add and Subtract</p>	<p>Adding with expanded algorithms</p> <p>Introducing different models for adding 3 digit numbers</p> <p>Adding 3 or more numbers</p> <p>Problem Solving- Drawing pictures and diagrams to help understanding-</p> <p>Subtracting with expanded algorithms</p> <p>Introduce different models for subtracting 3 digit numbers</p> <p>Subtracting 3 digit numbers</p> <p>Subtracting across zeros</p> <p>Problem Solving-draw a picture and write number sentences</p>	<p>EnVision Math textbook</p> <p>Common Core Reteaching and Practice Workbook</p> <p>Pearson website</p> <p>Pearson printable resources</p> <p>SMARTBoard</p> <p>Superteacherworksheets.com</p> <p>ixl app for iPads</p> <p>Place value blocks</p> <p>Math journals</p> <p>Individual dry erase boards</p>	<p>EnVision Math printable resources: Lesson quizzes chapter tests</p> <p>Pearson Test Generator software</p>	<p>3.OA.3 3.OA.5 3.OA.7 3.OA.8 3.MD.7 3.MD.8</p>
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<p>November</p>	<p>What is the meaning of multiplication? How can we apply multiplication to our everyday lives?</p>	<p>Meaning of Multiplication</p>	<p>Multiplication as repeated addition</p> <p>Arrays and multiplication</p> <p>The Commutative Property of Multiplication</p> <p>Writing multiplication stories</p>	<p>EnVision Math textbook</p> <p>Common Core Reteaching and Practice Workbook</p> <p>Pearson website</p> <p>Pearson printable resources</p> <p>SMARTBoard ixl app for iPads</p> <p>Circle counters</p> <p>Math journals</p> <p>Graph paper</p>	<p>EnVision Math printable resources: Lesson quizzes chapter tests</p> <p>Pearson Test Generator software</p>	<p>3.OA.1 3.OA.3 3.OA.5 3.OA.9</p>
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December	How can we use number patterns to help us find products?	Multiplication Facts: Use Patterns	<p>2 and 5 as factors</p> <p>9 as a factor</p> <p>Multiplying with 0 and 1</p> <p>Patterns for facts</p> <p>10 as a factor</p> <p>Multiplying by Multiples of 10</p> <p>Problem solving: two-question problems</p>	<p>EnVision Math textbook</p> <p>Common Core Reteaching and Practice Workbook</p> <p>Pearson website</p> <p>Pearson printable resources</p> <p>SMARTBoard</p> <p>ixl app for iPads</p> <p>Circle counters</p> <p>Math journals</p> <p>Graph paper</p> <p>Multiplication.com</p> <p>Multiplication flashcards</p>	<p>EnVision Math printable resources: Lesson quizzes chapter tests</p> <p>Pearson Test Generator software</p> <p>Teacher generated speed quizzes</p>	<p>3.OA.3 3.OA.7 3.OA.8 3.OA.9 3.NBT.3</p>
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January

How can we use facts from other tables to help us find products of other factors? What strategies can we use to help us find correct products?

Multiplication Facts: Use Known Facts

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

EnVision Math textbook
Common Core Reteaching and Practice Workbook
Pearson website
Pearson printable resources
SMARTBoard ixl app for iPads
Circle counters
Math journals
Multiplication.com
Individual dry erase boards
Multiplication flashcards
Multiplication Bingo

EnVision Math printable resources:
Lesson quizzes
chapter tests
Pearson Test Generator software
superteacherworksheets.com
Teacher generated speed quizzes

3.OA.3
3.OA.5
3.OA.8
3.MD.7
3.MD.8

February

What real life situations require sharing or separating into equal groups?

Meaning of Division

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

EnVision Math textbook
Common Core Reteaching and Practice Workbook

Pearson website

Pearson printable resources

SMARTBoard

ixl app for iPads

Circle counters

math journals

individual dry erase boards

Online division games

Division Bingo

EnVision Math printable resources:
Lesson quizzes
chapter tests

Pearson Test Generator software

superteacherworksheets.com

Teacher created division speed quizzes

3.OA.2
3.OA.3
3.OA.4
3.OA.6
3.OA.9

How is division related to multiplication?
How can facts families help us find quotients?

Division Facts

Relating multiplication and division facts
Fact families with 2-9
Making sense of multiplication and division equations
Dividing with 0 and 1
Problem solving with multiple steps
Drawing diagrams and writing number sentences to solve problems

individual dry erase boards

Online division games

Division Bingo

3.OA.3
3.OA.4
3.OA.5
3.OA.7
3.OA.8

March	<p>What does a fraction represent? When do we use fractions in real world situations? How can regions and sets be divided into equal parts?</p>	<p>Understanding Fractions</p>	<p>Dividing regions into equal parts</p> <p>Fractions and regions</p> <p>Fractions and sets</p> <p>Fractional parts of a set</p> <p>Locating fractions on number line</p> <p>Benchmark fractions</p> <p>Fractions and length</p> <p>Problem Solving: making tables and finding patterns</p>	<p>EnVision Math textbook</p> <p>Common Core Reteaching and Practice Workbook</p> <p>Pearson website</p> <p>Pearson printable resources</p> <p>SMARTBoard</p> <p>ixl</p> <p>Circle counters</p>	<p>EnVision Math printable resources: Lesson quizzes chapter tests</p> <p>Pearson Test Generator software</p> <p>superteacherworksheets.com</p> <p>EnVision Math printable resources: Lesson quizzes chapter tests</p>	<p>3.NF.1 3.NF.2 3.NF.2.a 3.NF.2.b 3.OA.3</p>
	<p>How can we find fractions that are equivalent?</p>	<p>Fraction Comparison and Equivalence</p>	<p>Using models to compare fractions with the same denominators</p> <p>Using models to compare fractions with the same numerator</p> <p>Comparing fractions using benchmarks</p> <p>Comparing fractions on a number line</p> <p>Finding equivalent fractions equivalent fractions on the number line</p> <p>Whole numbers and fractions</p>	<p>individual dry erase boards</p> <p>Fraction tiles</p> <p>number lines</p> <p>online division games</p> <p>Anchor charts</p>	<p>Pearson Test Generator software</p> <p>superteacherworksheets.com</p>	<p>3.NF.2 3.NF.3 3.NF.3.a 3.NF.3.b 3.NF.3.c 3.NF.3.d</p>

<p>April</p>	<p>How can 2-dimensional shapes without curved surfaces described, classified and analyzed by their attributes?</p>	<p>Two Dimensional Shapes and Their Attributes</p>	<p>Lines and segments Angles Polygons Triangles Quadrilaterals Combining and separating shapes Problem solving: make and test generalizations</p>	<p>EnVision Math textbook Common Core Reteaching and Practice Workbook Pearson website Pearson printable resources SMARTBoard ixl app for iPads Individual dry erase boards rulers Magnetic polygons Anchor charts math journal</p>	<p>EnVision Math printable resources: Lesson quizzes chapter tests Pearson Test Generator software superteacherworksheets.com</p>	<p>3.G.1 3.G.2</p>
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May	How are we able to tell time using analog and digital clocks?	Time	Time to the half hour and quarter hour Time to the minute Units of time Elapsed time	EnVision Math textbook Common Core Reteaching and Practice Workbook Pearson website	EnVision Math printable resources: Lesson quizzes chapter tests Pearson Test Generator software superteacherworksheets.com	3.MD.1 3.MD.8
	How can we find the distance around a polygon?	Perimeter	Understanding perimeter Units for perimeter Perimeter of common shapes Different shapes with the same perimeter Problem Solving: try, check and revise	Pearson printable resources SMARTBoard ixl app for iPads Instructional clocks Telling Time Bingo rulers		

June

How can we find the amount of space inside a shape?

Area

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

EnVision Math textbook

Common Core Reteaching and Practice Workbook

Pearson website

Pearson printable resources

SMARTBoard

ixl app for iPads

rulers

graph paper

EnVision Math printable resources:
Lesson quizzes
chapter tests

Pearson Test Generator software

superteacherworksheets.com

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

