



2023-2024 Math Pacing Calendar

	Pre-K Building Blocks	K Envisions 2.0 & Math Made Fun	1st Envisions 2.0	2nd Envisions 2.0	3rd Envisions 2.0	4th Envisions 2.0	5th Envisions 2.0
September	<ul style="list-style-type: none"> Counting Verbally Exploring Manipulatives Subitizing Recognize and make groups of 1 or more Produce simple rhythmic Pattern 	Subitizing Math Centers Math Routines Number Talk	<u>Topic 1</u> Solve Addition and Subtraction Problems to 10 <u>Topic 2</u> Fluently Add and Subtract Within 10	<u>Topic 1</u> Fluently Add and Subtract Within 20 <u>Topic 2</u> Work with Equal Groups	<u>Topic 1</u> Understand Multiplication & Division of Whole Numbers <u>Topic 2</u> Multiplication Facts: Use Patterns	<u>Topic 1</u> Generalize Place Value Understanding <u>Topic 2</u> Fluently Add and Subtract Multi Digit Whole Numbers	<u>Topic 1</u> Understanding Place Value
October	<ul style="list-style-type: none"> Participating in rhythmic patterns Connecting number words to quantities make groups of up to 5 items Count verbally to 5 with understanding Name familiar 2-dimensional shapes Matching congruent shapes Describe why certain shapes are not circles 	<u>Topic 1</u> Numbers -0-5 <u>Topic 2</u> Compare Numbers 0-5	<u>Topic 2</u> Fluently Add and Subtract Within 10 <u>Topic 3</u> Addition Facts to 20; Use Strategies	<u>Topic 3</u> Add Within 100 using Strategies	<u>Topic 3</u> Apply Properties: Multiplication Facts for 3, 4, 6, 7, 8	<u>Topic 2</u> Fluently Add and Subtract Multi Digit Whole Numbers <u>Topic 3</u> Use Strategies & Properties to Multiply One Digit Numbers	<u>Topic 2</u> Add & Subtract Decimals to Hundredths <u>Topic 3</u> Fluently Multiply Multi-Digit Whole Numbers

Additional Math Supplements

- Kindergarten – Number Talks (also called math talks or math chats) - quick daily activities where teachers step back while our students engage in meaningful conversations centered around interesting mathematical problems.
- Grades 1-5 – 5 Practices for Orchestrating Productive Math Discussions (Provides a model for developing and sustaining a discourse-rich math classroom and supports and equitable math classroom)



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November	<ul style="list-style-type: none"> Produce a Group of 1-5 Objects creating equal groups using 1:1 Correspondence Comparing two groups of objects Subitizing Naming/Describing shapes Matching Familiar Shapes Recognizing Numerals 	Topic 3 Numbers 6-10 Topic 4 Compare Numbers 0-10	Topic 4 Subtraction Facts to 20; Use Strategies	Topic 4 Fluently Add Within 100 Topic 5 Subtract Within 100 Using Strategies	Topic 4 Use Multiplication to Divide: Division Facts	Topic 3 Use Strategies & Properties to Multiply One Digit Numbers Topic 4 Use Strategies & Properties to Multiply by Two Digit Numbers	Topic 4 Use models & Strategies to Multiply Decimals Topic 5 Use Models & Strategies To Divide Whole Numbers
November (cont.)							
December	<ul style="list-style-type: none"> To recognize, duplicate and repeat patterns To count beyond 10 Patterning (Candy Canes) Freeze Dance with Numbers Elevator Game 	Topic 5 Classify and Count Data Topic 6 Understand Addition	Topic 5 Work with Addition and Subtraction Equations	Topic 6 Fluently Subtract Within 100 Topic 7 More Solving Problems Involving Addition and Subtraction	Topic 5 Fluently Multiply & Divide within 100 Topic 6 Connect Area to Multiplication & Addition	Topic 5 Use Strategies & Properties to Divide by 1-Digit Number Topic 6 Use Operations With Whole Numbers to Solve Problems	Topic 6 Use Models & Strategies To Divide Decimals Topic 7 Use Equivalent Fractions To Add & Subtract Fractions
January	<ul style="list-style-type: none"> To recognize numerals and the 	Topic 7 Understand Subtraction Topic 8	Topic 5 Work with Addition and Subtraction Equations	Topic 7 More Solving Problems Involving	Topic 7 Represent and Interpret Data Topic 8	Topic 7 Factors & Multiples Topic 8	Topic 7 Use Equivalent Fractions To Add & Subtract Fractions

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	quantities they represent <ul style="list-style-type: none"> To compare small amounts To sort and classify small groups To count objects to 10 and beyond 	More Addition and Subtraction	<u>Topic 6</u> Represent and Interpret Data	Addition and Subtraction <u>Topic 8</u> Work with Time and Money	Use Strategies and Properties to Add and Subtract	Extend Understanding of Fraction Equivalence and Ordering	<u>Topic 8</u> Apply Understanding of Multiplication to Multiply Fractions
February	<ul style="list-style-type: none"> To count objects to 10 and beyond To produce a certain number of objects up to 10, keeping track of which objects have been counted in non-structured arrangements To compare by counting To order numbers 	<u>Topic 9</u> Count Numbers to 20 <u>Topic 10</u> Compose and Decompose Numbers 11 to 19	<u>Topic 6</u> Represent and Interpret Data <u>Topic 7</u> Extend the Counting Sequence	<u>Topic 9</u> Numbers to 1000 <u>Topic 10</u> Add Within 1,000 Using Models and Strategies	<u>Topic 8</u> Understanding Fractions <u>Topic 9</u> Comparing Fractions	<u>Topic 9</u> Understand Addition & Subtraction of Fractions	<u>Topic 9</u> Apply Understanding of Division to Divide Fractions
March	Composing Shapes to make pictures, Count to and back from 10 and Beyond, Adding small numbers, Quickly recognize sum of two small groups, Describe	<u>Topic 11</u> Count Numbers to 100 <u>Topic 12</u> Identify and Describe Shapes	<u>Topic 7</u> Extend the Counting Sequence <u>Topic 8</u>	<u>Topic 10</u> Add Within 1,000 Using Models and Strategies <u>Topic 11</u>	<u>Topic 9</u> Comparing Fractions	<u>Topic 10</u> Extend Multiplication concepts to Fractions	<u>Topic 10</u> Understand Volume Concepts <u>Topic 11</u> Convert Measurements

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	shapes in term of their attribute		Understand Place Value	Subtract within 1,000 Using Models and Strategies,			
April	Counting and Producing, Counting backward from 10, Counting from N (N+1, N-1...), Adding small numbers, Serial Ordering of numbers, Identifying parts of shapes	Topic 13 Analyze, Compare and Create Shapes	Topic 8 Understand Place Value Topic 9 Compare Two-Digit Numbers	Topic 11 Subtract within 1,000 Using Models and Strategies Topic 14 Graphs and Data Topic 12 Measuring Length	Topic 10 Time, Length, Liquid Volume and Mass Testing Sophistication	Topic 11 Represent and Interpret Data on a Line Plot Topic 12 Understand and Compare Decimals Testing Sophistication	Topic 12 Represent and Interpret Data Topic 13 Write & Interpret Numerical Expressions Testing Sophistication
May	Ordinal Counting, Conceptual Subtilizing, Composing numbers, Counting from N/Back from 10, Identifying Parts of Shapes, Constructor of shapes, identifying attributes of shapes, Adding numbers, quickly recognizing total number of 2 small groups	Topic 14 Describe and Compare Measurable Attributes	Topic 9 Compare Two-Digit Numbers Topic 10 Use Models and Strategies to Add Ten and Ones	Topic 13 More Addition, Subtraction and Length Topic 15 Shapes and Their Attributes	Topic 11 Perimeter and Area Topic 12 Geometry	Topic 13 Measurement: Find Equivalence in Units of Measure Topic 14 Algebra: Generate & Analyze Patterns Topic 15 Geometric Measurement: Understand Concepts of Angles & Angle Measurement	Topic 14 Graph Points on the Coordinate Plane Topic 15 Algebra: Analyze Patterns
June	<ul style="list-style-type: none"> Building Blocks Review based on students' needs 	Step Up to 1 st Grade	Topic 11	Step Up to 3 rd Grade	Step up to 4 th Grade	Topic 16 Lines, Angles, & Shapes	Topic 16

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	<ul style="list-style-type: none">Adding Small Numbers	Number Talks - Let's go see a first grade number talk and 5 Practice!	Use Models and Strategies to Subtract Tens <u>Topic 12</u> Measure Lengths Step Up to 2nd Grade			Step up to 5th Grade	Geometric Measurement: Classify Two-Dimensional Figure Step up to 6th Grade
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