

**Investigations in Number, Data, and Space
Sequencing and Pacing Framework
2005-2006**

First year teachers should be given flexibility.

Kindergarten Unit Sequence								
Mathematical Thinking in Kindergarten	Patterns, Trains, and Hopscotch Paths	Collecting, Counting and Measuring	Counting Ourselves and Others	Making Shapes and Building Blocks* §	How Many in All?			
Number Sense Statistics Geometry	Patterns & Algebra	Number Sense Measurement	Statistics	Geometry	Number Sense			
Counting Attendance Data Pattern Blocks	Recognizing and Continuing Patterns	Experiences with Numbers and Comparing	Counting, Sorting and Representing Data	Shapes & Spatial Sense	Comparing, Combinations & Story Problems			
Aug / Sept	Oct / Nov	Dec / Jan	February	March	Apr / May / June			
Grade 1 Unit Sequence								
Mathematical Thinking at Grade 1	Building Number Sense	Survey Questions and Secret Rules	Quilt Squares and Block Towns*	Number Games and Story Problems	Bigger, Taller, Heavier, Smaller			
Number Sense Patterns Statistics	Number Sense	Statistics	Geometry	Number Sense	Measurement			
Counting Combining and Comparing Recording	Adding Combinations, Story Problems	Attributes, Collecting and Representing Data	2-D Shapes & 3-D Shapes	Addition Subtraction	Weight, Capacity Length			
August 29, 2005	October 12, 2005	January 3, 2006	January 30, 2006	February 27, 2006	May 1, 2006			
Grade 2 Unit Sequence								
Mathematical Thinking at Grade 2*	Coins, Coupons, and Combinations	How Long, How Far?*	Shapes, Halves, and Symmetry*	Putting Together and Taking Apart	Does it Walk, Crawl, or Swim?	How Many Pockets?/ How Many Teeth?	Timelines & Rhythm Patterns	Things to add at calendar time:
Number Sense Statistics Geometry	Number Sense	Measurement	Geometry Number Sense	Number Sense	Statistics	Statistics	Representing Time	Number of the day Number Strips 200 Chart Odd/even/doubles Guess My Rule Graphing Clock Money
Combinations Sorting Representing	Addition Subtraction	Using Manipulatives to Measure	Multiplication Fractions	Addition Subtraction	Collecting and Representing Data	Using Numerical Data	Sequencing and Patterning	Place Value (using straws) Patterns Dates How to Read a Calendar
August 29, 2005	October 24, 2005	December 12, 2005	January 17, 2006	March 3, 2006	May 11, 2006	If time permits	If time permits	

§ Keep Pacing in the same order. Although if a lesson needs to be pulled from a book to integrate it into another content area, it is fine.

No Rubrics in Kindergarten, but checklist.

*Unit includes computer software.
Revised: 6/06/05

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Grade 3 Unit Sequence

Mathematical Thinking at Grade 3	Things that Come in Groups	Flips, Turns, and Area*	From Paces to Feet	Landmarks in the Hundreds	Up and Down the Number Line	Combining and Comparing	Turtle Paths* (Investigation 3 – optional)	Fair Shares	Exploring Boxes & Solids
Number Sense Statistics	Number Sense	Geometry	Statistics Measurement	Number Sense	Number Sense Statistics	Number Sense	2-D Geometry	Number Sense	3-D Geometry
Strategies and Patterns	Multiplication	Area, Transformations, Congruence	Standard and Nonstandard Units Data	Factors, Multiples	Positives & Negatives Line Graphs	Addition Subtraction	Turns, Triangles Perimeter	Fractions	Building and Investigating Boxes
August 29, 2005	September 22, 2005	October 27, 2005	November 28, 2005	January 3, 2006	January 30, 2006	March 2, 2006	March 31, 2006	April 10, 2006	May 4, 2006

Grade 4 Unit Sequence

Mathematical Thinking at Grade 4	Arrays & Shares	Different Shapes, Equal Pieces	Landmarks in the Thousands	Packages & Groups	Three Out of Four Like Spaghetti	Money, Miles & Large Numbers	Seeing Solids & Silhouettes	Change Over Time	Sunken Ships & Grid Patterns*	The Shape of the Data
Number Sense Patterns Geometry	Number Sense	Number Sense	Number Sense	Number Sense	Statistics Fractions	Number Sense	Geometry	Algebra	2-D Geometry	Statistics
Patterns Symmetry	Multiplication	Fractions	Using Multiples of Tens	Multiplication Division	Using Fractions to Describe Categorical Data	Addition/subtraction of large numbers and decimals	Visualizing Spatial Relationships	Graphing Change	Coordinate Graphing	Analyzing Line Plots and Bar Graphs
August 29, 2005	September 19, 2005	October 24, 2005	November 28, 2005	January 3, 2006	February 6, 2006	March 6, 2006	April 10, 2006	April 24, 2006	May 15, 2006	For morning work practice clusters

Grade 5 Unit Sequence

Mathematical Thinking at Grade 5	Picturing Polygons*	Name that Portion	Between Never & Always (Include MiC Unit on Mean)	Measurement Benchmarks -Invest 1; Sessions 2,3,7,8 -Invest 2; Sessions 1,2,3,4,5 (plus 7&8 if time permits) -Invest 3; Sessions 1,2,3 Containers & Cubes - Invest 1; Session 1&2 -Invest 2; Session 1&2 Patterns of Change* - Invest 1; All Sessions	Building on Numbers You Know	Kids, Cats & Ads
Number Sense	Geometry	Number Sense	Statistics Probability	Measurement Geometry Algebra	Number Sense	Statistics
Multiplication Division	Polygons, coordinate grids, angles and similarity	Fractions, Decimals Percent	Propability as a measure or quantity	Using Benchmarks for Length, Weight, Volume, Time, Graphing Relationships among Distance, Speed	Estimation and the four operations	Using Data and Applying Fractions
August 29, 2005	October 3, 2005	October 31, 2005	January 17, 2006	February 13, 2006	March 27, 2006	If time permits

*Unit includes computer software.
Revised: 6/06/05