

K to 6 Math Curriculum Pacing

*The suggested pacing is an estimated time frame

Kindergarten		
Unit	Topic	Suggested Pacing
1	Math in Our World, Counting Collections and Rekenreks	4 weeks
2	Number Identification and Counting: Sequencing of number names	6 weeks
3	Comparing Numbers	4 weeks
4	Geometry - We can compare the position of objects by using words such as <i>above</i>, <i>below</i>, <i>beside</i>, <i>in front of</i>, <i>behind</i>, and <i>next to</i>. - We name shapes based on their number of sides and angles. - We can identify shapes as two dimensional or three dimensional. - We can compare shapes by looking at their number of sides and corners, the length of their sides, and the shape of their faces. - We can model shapes by drawing them or building them out of different materials. - We can combine simple shapes to make larger shapes by joining shapes with their full sides touching.	4 weeks
5	Addition and Subtraction	5 weeks
6	Place Value and Further Exploration of Counting	6 weeks
7	Measurement - We can use words such as <i>tall</i>, <i>short</i>, <i>heavier</i>, and <i>lighter</i> to describe the size and weight of an object and to compare objects. - We can group objects based on attributes such as size, weight, color, and shape.	4 weeks

Grade 1			
Unit	Topic		Suggested Pacing
1	Addition and Subtraction within 10		4 weeks
2	Addition and Subtraction Story Problems		6 weeks
3	Addition and Subtraction within 20		6 weeks
4	Geometry - The important attributes define a shape; some important attributes are number of sides and angles, number and shape of faces, and whether or not it is two- or three-dimensional. - We can compose two dimensional or three dimensional shapes to create a composite shape and compose new shapes from the composite shape. - We can partition circles and rectangles into two and four equal shares, describe the shapes using the words halves, fourths, and quarters, and use the phrases half of, quarter of and and fourth of. - We understand that decomposing into more equal shares creates smaller shares.		3 weeks
5	Understanding Place Value		5 weeks
6	Adding within 100		5 weeks
7	Measurement - We can tell and write time in hours and half hours using analog and digital clocks. - We order three objects by length and compare the length of two objects indirectly by using a third object. - We can compare the length of objects indirectly and order objects by length. - We lay length units end-to-end with no gaps or overlaps and count the units to determine length.		4 weeks
Grade 2			
Unit	Topic		Suggested Pacing

1	Adding, Subtracting, and Working with Data	4 weeks
2	Adding and Subtracting within 100	4 weeks
3	Addition and Subtraction on the Number Line	3 weeks
4	Measurement and Problem Solving - Some tools we use to measure length are rulers, meter sticks, yardsticks, and tape measures. We choose which tool to use based on what we are measuring. - We can use inches, feet, centimeters, and meters for measuring length. - We can make a reasonable estimation of length based on what we know about each unit of measure. - We can take measurements and record and organize the data in a line plot. - We can solve word problems involving length using a variety of strategies.	4 weeks
5	Place Value and Numbers to 1,000	5 weeks
6	Geometry, Time, and Money - We can identify triangles, quadrilaterals, pentagons, hexagons, and cubes by defining their attributes such as a given number of sides, angles, or a given number of equal faces. - We can partition circles and rectangles into halves, thirds, and fourths and name the pieces. We can describe the whole as 2 halves, 3 thirds, and 4 fourths. - We can recognize that equal shares of identical wholes need not have the same shape. - We learn to tell time and write time to the nearest 5 minutes by understanding the meaning of the hands and digits on an analog clock and the meaning of the digits on digital clocks. - We can identify and compare coins based on specific attributes including color, size, and appearance. - We can use what we know about a coin's value to find the value of mixed sets of coins and to solve word problems using \$ and ¢ symbols appropriately.	5 weeks
7	Adding and Subtracting within 1,000	4 weeks
8	Equal Groups - Working with Odd & Even and Arrays	3 weeks
Grade 3		

Unit	Topic	Suggested Pacing
1	Computing with Whole Numbers	4 weeks
2	Introducing Multiplication	6 weeks
3	Multiplication and Division	10 weeks
4	Fractions and Geometry - We develop an understanding that fractions are numbers. - We can partition shapes into parts with equal areas and express the area of each part as a unit fraction of the whole. We understand that unit fractions are fractions with a numerator of 1 and how other fractions are composed of unit fractions. - We understand fractions as a number and we can represent fractions on a number line. - We work with denominators 2, 3, 4, 6 and 8 which provides an opportunity to develop a deep understanding of these foundational concepts. - We understand two fractions as equivalent (equal) if they are the same size. - We can recognize and generate simple equivalent fractions. - We can express whole numbers as fractions and fractions as whole numbers. - We are able to compare two fractions with the same numerator or the same denominator by reasoning about their size. - We can understand that shapes in different categories may share attributes and that shared attributes can define a larger category. We can recognize rhombuses, rectangles, and squares as quadrilaterals and draw examples of quadrilaterals that do not belong to any of these subcategories.	5 weeks
5	Time	2 weeks
6	Measurement and Data - We can measure and estimate liquid volumes using standard units. - We can measure and estimate masses of objects using standard units. - We can use addition, subtraction, multiplication, and division strategies to solve word problems involving liquid volumes and masses.	3 weeks

Grade 4		
Unit	Topic	Suggested Pacing
1	Place Value and Computing with Whole Numbers	4 - 5 weeks
2	Factors and Multiples	2 weeks
3	Multiplying and Dividing Multi-digit Numbers	6 weeks
4	Understanding and Computing with Fractions	8 weeks
5	Multiplicative Comparisons and Measurement	4 weeks
6	Geometry: Angles and Angle Measurement	4 weeks
7	Geometry: Properties of Two-Dimensional Shapes	2 weeks
Grade 5		
Unit	Topic	Suggested Pacing
1	Volume	4 weeks
2	Multiplication, Division and Order of Operations	4 weeks
3	Place Value Concepts, Four Operations with Decimals, Metric System	10 weeks
4	Addition and Subtraction of Fractions	5 weeks
5	Multiplication and Division of Fractions	5 weeks

6	Measurement and Line Plots	2 weeks
7	Geometry - Two intersecting perpendicular lines called axes create a coordinate system. We can graph points in the first quadrant of the coordinate plane using ordered pairs. - We can graph points on the coordinate plane to solve real-world and mathematical problems. - By understanding the attributes of two-dimensional figures we can create subcategories for shapes. Figures can be compared according to their sides and angles. - We can classify two-dimensional figures in a hierarchy based on properties.	3 weeks
Grade 6		
Unit	Topic	Suggested Pacing
1	Numerical Expressions and Factors	3 weeks
2	Fractions and Decimals	4 weeks
3	Ratios and Rates	5 weeks
4	Percents	3 weeks
5	Algebraic Expressions and Properties	4 weeks
6	Equations	3 weeks
7	Area, Surface Area, and Volume	4 weeks
8	Integers, Number Lines, and the Coordinate Plane	4 weeks
9	Statistical Measures	3 weeks
10	Data Displays	3 weeks