

# The Gates Primary School Curriculum Overview 2022-2023

## Mathematics

	Autumn Term		Spring Term		Summer Term	
<b>All Year Groups:</b>	Children are taught to become fluent in the fundamentals of Mathematics, to reason mathematically and solve problems by applying their mathematical understanding					
<b>N</b>	<b>Baseline assessment</b> <b>Numerical Patterns:</b> Using mathematical language in play, Rote counting, Recognising numbers of Personal significance, Subitise <b>Measurement:</b> Compares size and capacity <b>Space:</b> talks about patterns <b>Shape:</b> shapes in the environment		<b>Numerical Patterns:</b> Counting using 1-1 correspondence beyond 3 , Explore giving 1 more and 1 less up to 3, Subitise, Combine objects to 3, Explore taking away <b>Measurement:</b> Compares size and capacity <b>Space:</b> sorting objects <b>Shape:</b> uses shape appropriately in play		<b>Numerical Patterns:</b> Counting beyond 5, Count objects and actions to 5, Explore 1 more and one less to 5, Comparing more and less, Subitise Combining objects <b>Measurement:</b> compares size <b>Space:</b> repeated patterns, positional language <b>Shape:</b> talk about and explore 2D shapes	
<b>R</b>	<b>Baseline assessment</b> <b>Numerical Patterns:</b> Comparing different amounts <b>Space:</b> Matching and sorting objects <b>Measurement:</b> Comparing Size, Mass & Capacity <b>Space:</b> Exploring Patterns	<b>Numerical Patterns:</b> Representing number to 5, Comparing 1, 2 & 3, Composition of 1, 2 & 3, One More and Less <b>Shape:</b> Circles and Triangle, Shapes with 4 Sides <b>Measurement:</b> Time <b>Space:</b> Positional Language	<b>Numerical Patterns:</b> Introducing Zero, Comparing numbers to 5 then 6, Composition of 4, 5 and 6 <b>Measurement:</b> Comparing Mass, Comparing Capacity	<b>Numerical Patterns:</b> Comparing numbers 7 & 8, Combining 2 amounts, Making Pairs, Counting to 9 & 10, Comparing Numbers to 10, Number bonds to 10. <b>Measurement:</b> Length and Height, Time <b>Shape:</b> 3D shapes <b>Space:</b> Spatial Awareness Patterns	<b>Numerical Patterns:</b> Building Numbers Beyond 10, Counting Patterns Beyond 10, Addition, Subtraction <b>Space:</b> Spatial reasoning <b>Shape:</b> Matching, Rotating and Manipulating Shape	<b>Numerical Patterns:</b> Doubling, Sharing and Grouping, Odd and Even, Consolidation and deepening understanding of patterns and relationships between number <b>Space:</b> Spatial Reasoning, Mapping
	<i>Reception Children will work towards knowing and recalling numbers bonds of each number to and including 10.</i>					
<b>1</b>	<b>Number:</b> Place value within 10 Addition within 10	Addition and subtraction within 10	<b>Number:</b> Place value within 20	<b>Number:</b> Place Value within 50	<b>Number:</b> Multiplication and Division, Fractions	<b>Number:</b> Place value within 100

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		<b>Geometry:</b> Shape – recognising and sorting 2-D and 3-D shapes Shape patterns	Addition and subtraction within 20	<b>Measurement:</b> Length and Height, Mass and volume	<b>Measurement:</b> Position and direction	Measurement: Money, Time
	<i>Children will work towards being able to confidently recite numbers in a sequence of 2's, 5's and 10's, recall at speed number bonds to 10 and recall doubles and halves to 20.</i>					
<b>2</b>	<b>Number:</b> Place Value, Partitioning numbers to 100 Addition and Subtraction <b>Geometry:</b> Shape	<b>Number:</b> Addition and Subtraction, Multiplication, Fractions <b>Geometry:</b> Shape	<b>Number:</b> Multiplication and Division, Fractions <b>Geometry:</b> Shape	<b>Number:</b> Addition and subtraction, Multiplication and Division <b>Measurement:</b> Money	<b>Number:</b> Fractions Statistics <b>Measurement:</b> Mass, Capacity and Temperature, Position and direction	<b>Number:</b> Multiplication and division <b>Measurement:</b> Time Money Consolidation
	<i>Children will work towards the swift recall of 2, 5, 10 and 3 times tables</i>					
<b>3</b>	<b>Number:</b> Place Value, Addition and Subtraction	<b>Number:</b> Addition and Subtraction, Multiplication and Division	<b>Number:</b> Multiplication and Division <b>Measurement:</b> Length and Perimeter	<b>Number:</b> Fractions, Mass and Capacity	<b>Number:</b> Fractions <b>Measurement:</b> Money, Time	<b>Measurement:</b> Time <b>Geometry:</b> Shape Statistics Consolidation
	<i>Children will work towards the swift recall of number bonds to 20 and 100, doubles to 20 and 50, halves to 40 and 100 and 2, 5, 3, 6, 4, 8 and 9 times tables.</i>					
<b>4</b>	<b>Number:</b> Place value Addition and Subtraction	<b>Number:</b> Addition and subtraction Multiplication and division <b>Measurement:</b> Area	<b>Number:</b> Multiplication and Division Fractions <b>Measurement:</b> Length and Perimeter	<b>Number:</b> Fractions, Decimals	<b>Number:</b> Decimals, <b>Measurement:</b> Money, Time	<b>Number:</b> Consolidation <b>Geometry:</b> Shape, Position and Direction Statistics
	<i>Children will work towards the swift recall of number bonds to 60 and 100, doubles to 50 and halves to 100 and 2, 5, 3, 6, 4, 8, 9, 11, 7, 12 times tables</i>					
<b>5</b>	<b>Number:</b> Place Value	<b>Number:</b> Addition and Subtraction, Multiplication and Division	<b>Number:</b> Multiplication and Division, Fractions, Decimals and Percentages	<b>Number:</b> Decimals and Percentages <b>Measurements:</b> Perimeter and Area	<b>Geometry:</b> Shape, Position and Direction <b>Number:</b> Decimals	<b>Number:</b> Decimals, Negative Numbers

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				Statistics		<b>Measurement:</b> Converting Units, Volume
	<i>Children will work towards the swift recall of number bonds to 100, doubles to 50, halves to 100, quarters of even numbers to 100, 2-12 times tables and some related division facts</i>					
<b>6</b>	<b>Number:</b> Place Value, Addition and Subtraction, Multiplication and Division	<b>Number:</b> Addition and Subtraction, Multiplication and Division, Fractions <b>Measurement:</b> Converting Units	Ratio Algebra <b>Number:</b> Decimals	<b>Number:</b> Fractions, Decimals and Percentages <b>Measurement:</b> Area, Perimeter and Volume Statistics	<b>Number:</b> Consolidations of Arithmetic Skills <b>Geometry:</b> Shape, Position and Direction	Consolidation and Problem solving
	<i>Children will work towards the swift recall of number bonds to 100, double and halves to 100 (including .5), quarters of numbers to 100, 2-12 times tables and related division facts and percentages of multiples of 10</i>					