



## **St. John the Evangelist Maths Curriculum End Points**



Year Group	Mathematical Thread	End Points
Nursery	Number	Recite numbers beyond 5 Say one number for each item in order (1:1 correspondence) Begin to recognise numerals to 5
	Numerical Patterns	Understand the cardinal principle Subitise up to 3 Extend and create ABAB patterns Compare quantities using language such as more, fewer, same
	Addition and Subtraction	Begin to count small sets of objects Combine two groups practically and notice how many altogether Begin to talk about taking away in play contexts
	Fractions	Experience sharing in play (e.g., “half each”) Begin to notice when something is split into two parts
	Shape, Space and Measures	Compare objects by size, length, weight and capacity Combine shapes to make new ones Identify simple patterns in the environment
	Algebra (Early Patterning and Relationships)	Use language of same and different Recognise simple patterns Begin to predict what comes next in a familiar pattern
Reception	Number	Deep understanding of numbers to 10 Subitise up to 5 Recall number bonds to 5 and some to 10
	Numerical Patterns	Verbally count beyond 20 Compare quantities up to 10 Explore patterns within numbers to 10
	Addition and Subtraction	Recall pairs that make 5 Represent addition and subtraction with objects and images
	Fractions	Explore halving and sharing in practical contexts Recognise when a whole is split into two equal parts
	Shape, Space and Measures	Select, rotate and manipulate shapes Continue, copy and create repeating patterns Compare length, weight and capacity
	Algebra (Early Generalisation)	Continue simple patterns



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		Explore simple rules in play
Year 1	Number and Place Value	Count within 100 forwards and backwards Compare numbers using $<$ , $>$ and $=$
	Number Facts	Develop fluency in addition and subtraction facts within 10 Count in multiples of 2, 5 and 10
	Addition and Subtraction	Compose and partition numbers to 10 Read, write and interpret addition and subtraction equations
	Multiplication and Division	Understand multiplication as repeated addition Understand division as sharing and grouping
	Fractions	Recognise, find and name $\frac{1}{2}$ and $\frac{1}{4}$ of objects, shapes and quantities
	Geometry	Recognise common 2D and 3D shapes Compose shapes to make new shapes
	Measures	Compare and describe length, mass, capacity and time Sequence events and use language relating to dates
	Algebra	Recognise and describe number patterns Use simple rules to generate sequences Represent unknowns with symbols
Year 2	Number and Place Value	Recognise place value in two-digit numbers Identify previous and next multiples of 10
	Number Facts	Secure fluency in addition and subtraction facts within 10
	Addition and Subtraction	Add and subtract across 10 Recognise subtraction as difference Add and subtract within 100 using known facts
	Multiplication and Division	Represent repeated addition with multiplication equations Recall and use facts for 2, 5 and 10
	Fractions	Recognise, find and name fractions including $\frac{1}{3}$ , $\frac{1}{4}$ , $\frac{2}{4}$ , $\frac{3}{4}$ Find fractions of quantities Reason about fractions on a number line
	Geometry	Describe properties of 2D and 3D shapes Compare shapes using reasoning
	Measures	Use standard units to measure length, mass, temperature and capacity Recognise and use £ and p Tell the time to the nearest 5 minutes



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	Algebra	Solve missing number problems Recognise relationships such as odd/even and doubles/halves Explain simple rules
Year 3	Number and Place Value	Understand relationships between tens and hundreds Recognise place value in three-digit numbers Reason about number lines and intervals
	Number Facts	Secure fluency in facts that bridge 10 Recall multiplication and division facts for 2, 4, 5, 8 and 10
	Addition and Subtraction	Calculate complements to 100 Add and subtract three-digit numbers using columnar methods
	Multiplication and Division	Apply known facts to solve contextual problems
	Fractions	Interpret and write proper fractions Find unit fractions of quantities Add and subtract fractions with the same denominator
	Geometry	Recognise right angles Draw polygons and identify parallel/perpendicular sides
	Measures	Tell time using 12- and 24-hour clocks Measure and compare using standard units
	Algebra	Describe number patterns Use function machines Represent problems with symbols
Year 4	Number and Place Value	Understand relationships between hundreds and thousands Recognise place value in four-digit numbers Round to the nearest 100 and 1,000
	Number Facts	Recall multiplication and division facts to $12 \times 12$ Solve division problems with remainders
	Addition and Subtraction	Add and subtract four-digit numbers using written methods
	Multiplication and Division	Multiply and divide by 10 and 100 Apply commutativity and distributivity
	Fractions and Decimals	Convert between mixed numbers and improper fractions Add and subtract fractions with the same denominator Recognise decimal equivalents
	Geometry	Draw polygons using coordinates



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		Translate shapes Identify and complete symmetrical figures
	Measures	Convert between units of measure Calculate perimeter
	Algebra	Generate sequences from rules Use letters to represent unknowns Solve missing-number problems
Year 5	Number and Place Value	Understand relationships between tenths, hundredths and ones Recognise place value in numbers with up to 2 decimal places Round decimals to the nearest whole number and tenth
	Number Facts	Secure fluency in multiplication and division facts
	Addition and Subtraction	Add and subtract numbers with more than 4 digits
	Multiplication and Division	Multiply and divide by 10 and 100 Find factors, multiples and common factors Multiply up to 4-digit numbers by 1-digit numbers Divide up to 4-digit numbers by 1-digit numbers
	Fractions	Find non-unit fractions of quantities Compare and order fractions, decimals and percentages Recall decimal equivalents for common fractions
	Geometry	Compare and measure angles Calculate area of rectangles
	Measures	Convert between units of time Estimate volume and capacity
	Algebra	Recognise and describe linear sequences Use expressions to represent rules Substitute values into expressions Solve problems involving simple formulae
Year 6	Number and Place Value	Understand relationships between powers of 10 Recognise place value up to 10 million Round numbers appropriately in context
	Number Facts	Secure fluency in multiplication and division facts
	Addition, Subtraction, Multiplication and Division	Understand additive and multiplicative relationships Use one calculation to derive another



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		Solve ratio problems Solve problems with two unknowns
	Fractions, Decimals and Percentages	Simplify fractions using common factors Express fractions in a common denominator Compare fractions using reasoning Add and subtract fractions, including mixed numbers Multiply and divide fractions by whole numbers Convert between fractions, decimals and percentages
	Geometry	Draw, compose and decompose shapes using given properties Solve problems involving dimensions, angles and area
	Measures	Convert between a wide range of units Calculate area of triangles and parallelograms Calculate volume of cuboids
	Algebra	Use and interpret function machines Form expressions and equations Substitute values into expressions and formulae Solve one-step and two-step equations Generate pairs of values that satisfy equations Apply algebra in context