

St. Paul's C of E Junior School: Curriculum Coverage in Maths From Year 3 to 6. 2021-2022

	Autumn1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 3	<p>Three-digit numbers and place value. Mental and informal written methods for addition and subtraction. Multiplication and division facts: 2,5,10, 4 and 8</p>	<p>Composition and calculation for addition and subtraction. Ordering and comparing 3-digit numbers. Measures- length, mass and capacity.</p>	<p>Mental strategies for adding 2-digit numbers Mental and informal written methods for addition and subtraction. Angles, triangles and quadrilaterals.</p>	<p>Manipulating the additive and securing mental calculation. Multiplication and division facts: 3, 6 and 11.</p>	<p>Unit fractions- the relationship between parts and wholes. Compare and order unit fractions. Non-unit fractions: Ordering and comparing.</p>	<p>Parallel and perpendicular lines in polygons. Tell and write the time. Compare units of time.</p>
Year 4	<p>Four-digit numbers and place value. Rounding any number to the nearest 10, 100 or 1000. Comparing and ordering numbers beyond 1000. Addition and subtraction of 4-digit numbers. Multiplication and division facts:3,6 12, and 9</p>	<p>Length and perimeter of rectilinear shapes. Multiplication and division of 3-digit numbers using mental and informal written methods.</p>	<p>Multiplication and division facts and patterns: 7 Understanding and manipulating multiplicative relationships including multiples of 10.</p>	<p>Informal written methods for multiplication. Interpreting division problems with remainders. Co-ordinates.</p>	<p>Review of fractions: relationship between parts and wholes. Fractions greater than one: Compare and order mixed numbers Fractions on a number line Converting between mixed numbers and improper fractions. Adding and subtracting mixed numbers</p>	<p>Symmetry in 2D shapes Time</p>

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<p><b>Year 5</b></p>	<p>Order and compare numbers up to one million. Round any number up to one million. Decimal fractions: multiplying and dividing by 10, 100 and 1000. Problem solving involving money. Negative numbers</p>	<p>Multiplying and dividing 4-digit numbers using formal written methods including long multiplication and interpreting remainders.</p>	<p>Area and scaling Volume. Cubed, squared, composite and prime numbers. Multiples and factors.</p>	<p>Common factors Prime factors. Calculating with decimal fractions.</p>	<p>Multiplying improper and proper fractions by whole numbers Mixed numbers Finding fractions of quantities. Equivalent fractions Converting units of measure including time.</p>	<p>Identifying, measuring and comparing angles Interpreting timetables</p>
<p><b>Year 6</b></p>	<p>Place value up to one million, including numbers with up to three-decimal places. Multiplying and dividing by 10,100 and 1000. Reading scales Calculating with negative numbers Rounding any whole number. Adding and subtracting integers Inverse operations</p>	<p>Draw, sketch and identify shapes Calculate area of 2D shapes Parallelograms Area and perimeter Multiplication and division Co-ordinates Translation and reflection</p>	<p>Calculating missing angles. Illustrate and name parts of a circle. Adding, and subtracting, multiplying and dividing fractions. Convert percentages, decimals and fractions. Finding percentages of amounts. Interpreting line graphs and pie charts.</p>	<p>Factors and multiples Prime numbers Ratio to calculate unknown values Scaling problems Describe relationship between two shapes using scale factors. Equations Order of operation Calculating mean</p>	<p>Converting measurements Volume of cubes and cuboids</p>	<p>Consolidation</p>