

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

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<b>Year 3</b>	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	Composition and calculation for addition and subtraction. Ordering and comparing 3-digit numbers. Measures- length, mass and capacity.	Mental strategies for adding 2-digit numbers Mental and informal written methods for addition and subtraction. Angles, triangles and quadrilaterals.	Manipulating the additive and securing mental calculation. Multiplication and division facts: 3, 6 and 11.	Unit fractions- the relationship between parts and wholes. Compare and order unit fractions. Non-unit fractions: Ordering and comparing.	Parallel and perpendicular lines in polygons. Tell and write the time. Compare units of time.
<b>Year 4</b>	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	Length and perimeter of rectilinear shapes. Multiplication and division of 3-digit numbers using mental and informal written methods.	Multiplication and division facts and patterns: 7 Understanding and manipulating multiplicative relationships including multiples of 10.	Informal written methods for multiplication. Interpreting division problems with remainders. Co-ordinates.	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	Symmetry in 2D shapes Time

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<b>Year 5</b>	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	Multiplying and dividing 4-digit numbers using formal written methods including long multiplication and interpreting remainders.	Area and scaling Volume. Cubed, squared, composite and prime numbers. Multiples and factors.	Common factors Prime factors. Calculating with decimal fractions.	Multiplying improper and proper fractions by whole numbers Mixed numbers Finding fractions of quantities. Equivalent fractions Converting units of measure including time.	Identifying, measuring and comparing angles Interpreting timetables
<b>Year 6</b>	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	Draw, sketch and identify shapes Calculate area of 2D shapes Parallelograms Area and perimeter Multiplication and division Co-ordinates Translation and reflection	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.	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	Converting measurements Volume of cubes and cuboids	Consolidation