



Maths St Paul's CE Primary – Vocabulary Progression

To be used alongside LTP & Progression documents

Place Value	Addition and Subtraction	Multiplication and Division	Fractions, Decimals and Percentages	Geometry: Shape and Space	Geometry: Position and Direction	Measure	Statistics	Ratio and Proportion	Algebra
-------------	--------------------------	-----------------------------	-------------------------------------	---------------------------	----------------------------------	---------	------------	----------------------	---------

The language of maths stretches far beyond the non-exhaustive list below.

At St Paul's we continually model and expose pupils to maths vocabulary that enables them to progressively use accurate and appropriate mathematical language when reasoning and problem solving with confidence.

	Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Place Value	Number One, two, three... to ten Count Same Different How many? Altogether More Less Fewer	Zero Ten, eleven, twelve... to 20 and beyond Most/most Few/fewest Equal Forwards Backwards One more One less Ones Whole Part Count on Count back Five/Ten Frame Order Odd and Even Compare Number track	Represent Numerals Words Equal to Least Tens/ones Partition Comparing Ordering Numbers to 100 Digit Multiple	Estimate Two-digit Number facts Value Greater than Less than Count in steps Concrete Pictorial	Three-digit Hundreds Numbers to 1000 Ten more One hundred more Ten less One hundred less	Thousands 1000 more 1000 less Negative numbers Four-digit Round Numeral system	Million Steps of powers Positive Numbers to 1000000	Integer Numbers to 10 million Degree of accuracy Intervals across 0
Addition and Subtraction		Add Adding First, then, now Take away Double, doubling	Addition Subtraction Signs Part-whole Facts Number bonds Adding together Adding more Finding a part	Related facts Operation Method Calculation Inverse Solve Missing number	Mentally Column addition Column subtraction Estimate		Accuracy	Jotting Mixed operations

			Counting back Fact families Add by counting on Make Number sentence					
Multiplication and Division		Sharing Groups Doubling	Multiple Twos, fives, tens Arrays Grouping	Multiplication Division Multiply Divide Times tables Repeated addition Facts	Integer	Derived facts Factor pairs Commutativity Scaling	Factors Prime numbers Prime factors Composite numbers Long multiplication Short division Remainders Square numbers Cube numbers Squared Cubed Simple rates	Common factors Common multiples Long division
Fractions, Decimals and Percentages			Fraction Find/Name Half Equal parts Quarter Whole	Third Three quarters Simple fractions Equivalent Equivalence Two quarters	Tenths Unit fractions Non-unit fractions Denominator Numerator	Hundredths Decimal Nearest whole number Decimal places	Mixed numbers Improper fractions Convert Proper fraction Thousandths Per cent Percentage	Simplify Denomination Simplest form
Geometry: Shape and Space	Pattern Shape Arrange Sort Sides, corners, straight, flat, round... Where? Under, on	Circle Triangle Square Oblong Rectangles Behind, in between, next to Repeat	2D shapes 3D shapes Cuboid Cube Pyramid Cone Cylinder Sphere Position Direction Movement Whole Half Quarter Three quarter Turns	Properties Describe Edges Vertices Faces Surface Straight line Rotation Angle Clockwise Anti-clockwise Sequence	Orientation Angle Turn Half-turn Three quarters of a turn Complete turn Horizontal Vertical Right angle Perpendicular Parallel	Geometric Quadrilaterals Acute Obtuse Symmetry Line of symmetry 2-d grid Coordinates Quadrant Left/right Plot Points Polygon	Degrees Reflex angles Regular polygons Irregular polygons Equal sides Equal angles Reflection Translation	Classify Dimensions Radius Diameter Circumference Net Axes
Geometry: Position and Direction								
Measure	Size Big, small, little... Heavy Long Lots	Measure Shorter, longer, taller, wider... Time Day/night	Length Height Weight/mass Capacity/volume	Intervals Five past, five to Ten past, ten to Quarter past, quarter to	Perimeter Analogue Roman numerals 12-hour clock 24-hour clock	Convert Area Digital	Metric measure Imperial units Inches Pounds Pints	Decimal notation Miles/kilometres Parallelograms Formulae Cubic

	First, then	Morning/afternoon Now, before, soon, after...	Light, heavier, lighter, full, empty, half full... Record Sequence Order Dates, days, weeks, months, year... Time Hour, half past Today, yesterday, tomorrow... Hours, minutes Clock Money Coins, notes How much	Twenty past, twenty to Twenty-five past, twenty-five to Pounds, pence Value Change Standard units Estimate Direction Metres Centimetres, mm Scales Results Temperature Thermometer Degrees Celsius Litres, ml, cl Grams, kilograms Vessels	Nearest minute Seconds AM/PM Noon Midnight Leap year Duration		Square centimetres Square meters Cube measures	Positive/negative temperature
Statistics				Statistics Interpret Pictograms Block diagrams Construct Category Quantity Totalling Data Tally chart Table Ask/answer	Bar chart	Time graph Sum Difference	Line graph Timetable	Pie chart Mean/Mode/Median Average Range
Ratio and Proportion								Ratio Proportion Relative Unequal Scale factor
Algebra								Algebra Linear number sequences Algebraically Unknowns Variables Formulae Enumerate Combinations