Mathematical Key Vocabulary EYFS to Year 6

This document is designed to assist with the teaching of vocabulary across EYFS, KS1 and KS2 and is aligned with the White Rose schemes of learning.

This document identifies in which year group vocabulary should be explicitly taught and introduced. However, language should be revisited in subsequent year groups to ensure children are consolidating their understanding. This document ensures coverage is progressive.

Number and Place Value						
Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Number None After Count Subitise Order Compare Forwards Backwards Numerals Digit One more One less Many Equal to/same as More than Less than (Fewer)	Sort Represent Multiples Partitioning Recombine Ones Tens Place value Compare	Numbers to 100 Hundreds Count in steps Count in multiples Estimate	Numbers to 1000 Ascending Descending 10 or 100 more 10 or 100 less Hundreds	Negative numbers/integers Round Roman numerals 1000 more 1000 less Thousands Round	Ten thousands One hundred thousands Powers of Integer	Numbers to ten million Millions Ten millions

Addition and Subtraction						
Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Add Plus Altogether Total Take away/minus Number bonds Part Whole Digit	Addition/Add More Altogether Sum Total Double/near double Half/halve Subtraction Take away Minus Difference Equals Facts Problems Missing number problems 2-digit number Inverse Number bonds	3-digit number Commutative	Column addition Column subtraction Exchange Estimate	4-digit number Methods	Efficient written method	Order of operations

Multiplication and Division						
Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Double Half Twice as many Equal Unequal Share Group Odd Even	Multiplication Division Arrays Row Column Count in... Lots of Groups of.. Times Multiple Repeated addition Share Divide	Multiplication tables Commutative	Exchange Mathematical statements Derived facts Product Multiples Factors Scale up	Factor pairs Distributive law Remainders	Prime numbers Square numbers Cube numbers Short division Dividend Divisor Quotient Operations Formal written method	Long division Order of operations Common factors Common multiples

Fractions, decimals and percentages						
Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
	Whole Half Quarter Equal parts	Three quarters Third Equivalent fractions Unit fractions Non unit fractions Numerator Denominator One whole	Tenths Compare and order Tenths	Decimal Equivalent Equivalence Convert Proper fractions Improper fractions Decimals point Mixed numbers	Percent % Percentage complements	Simplify Degree of accuracy

Ratio and proportion						
Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
						Relative size Missing values Integer multiplication Percentages Scale factor Unequal sharing and grouping

Algebra						
Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
						Formulae Linear number sequences Algebraically Equation Unknowns Combinations Variables Substitute Symbol Known variables

Measurement (Measures and length)						
Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Measure Wider Narrow Compare Longer Shorter length		Standard units Estimate Order Record results Centimetre cm Metre m	Millimetre mm Perimeter	Kilometre km Rectilinear shape Area Irregular shapes Convert	Decimal notation Scaling Metric units Imperial units Inches Compound shape	Conversion Miles Formulae Parallelograms Triangles Feet

Measurement (Height, weight and capacity)						
Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Height Long Short Weight Capacity Heavy/light Heavier than Lighter than Full/empty More than Less than Half/half full	Mass Volume Holds Scales Container Weigh Balances	Kilogram kg Gram g Quarter Three quarters Litres L Millimetres ml Temperature Degrees		Convert	Volume Cubic centimetres Pounds Pints	Cubic metre Cubic millimetre Cubic kilometre Gallons Stones Ounces

Measurement (Time)						
Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Seasons Time Quicker Slower Earlier Later Before After First Next Today Yesterday Tomorrow Morning Afternoon Evening Day Week Hour Minutes	Chronological order Days of the week Months of the year Month Year O'clock Half past Second	Intervals of time Quarter past/to Duration	Analogue Roman numerals 12-hour clock 24-hour clock Am/pm Noon Midnight Leap year Digital			

Measurement (Money)						
Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
	Money Coins Notes Pounds £ Pence p	Value Change				

Measurement (Properties of Shape)						
Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
2d shapes Rectangle Square Circle Triangle Characteristics 3d shapes Cuboids Cubes Cone Spheres Curved Straight Flat	Group Sort Sides Corners Properties Pyramids Faces Pentagon Hexagon Cylinder Octagon Hollow Solid	Line of symmetry Symmetrical Mirror line Reflection Pattern Repeating pattern Properties Edges Vertices Vertex	Right angle triangle Heptagon Polygon Properties Prism Horizontal Vertical Perpendicular lines Parallel lines	Isosceles Equilateral Scalene Trapezium Rhombus Parallelogram Kite Geometric shapes Quadrilaterals Regular polygon Irregular polygon		Radius Diameter Circumference Dimensions

Measurement (Angles)						
Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
			Orientations Angles Acute Obtuse Turn Right angles Half turn Three quarters of a turn Greater than a right angle Less than a right angle Horizontal lines Vertical lines Perpendicular lines Parallel lines Reflex angles Degrees		Angles of a straight line Angles around a point Vertically opposite Missing angles	

Geometry – position and direction						
Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Over Under Between Around Through On Into Next to Behind Beneath Order Repeat Patterns On top of	Position Direction Movement Whole turn Quarter turn Half turn Three-quarter turn Left Right Forwards Backwards	Clockwise/anti-clockwise Straight line Rotation Arrange Sequences Degree		Co-ordinates First quadrant Grid Translation Plot Polygon X axis /Y Axis Perimeter and area	Reflection	Four quadrants Co-ordinate plane

Statistics						
Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
		Pictograms Tally chart Tally Vote Represent Block diagram Category Sorting Totalling Comparing Horizontal Vertical Popular	Table Bar chart Carroll diagram Venn diagram Axis Diagram Frequency table	Time graph Discrete data Continuous data Line graph Comparison problem Calculate Interpret	Timetable Two-way tables	Pie chart Mean Construct