



**INSPIRE NURTURE BELIEVE ACHIEVE**

*Working together to be the best that we can be.*

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

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

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

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



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

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