Progression in Mathematical Vocabulary

Starting point for Key Mathematical Vocab: list which each key stage should know can be added to!

Phase	Place Value	Four Calculations	Fractions, Percentages and Decimals	Measurement	Geometry	Statistics
EYFS	Count Order Compare Forwards Backwards Numerals Digit One more One less Equal to More than Less than (fewer)	Add Plus Altogether Total Take away / minus Number bonds Part Whole Digit Double Half Twice as many Equal Unequal Share Group Odd Even	Half Whole	Measure Wide Narrow Compare Long (er) (est) Short (er) (est) Length Height Tall Weight Capacity Heavy / light Big . bigger / biggest Full / empty More than Less than Half Time Quicker Slower Earlier Later Before After First Next Today Yesterday Tomorrow Morning Afternoon Evening Day Night Week Hour Minutes	2D shapes Rectangle Square Circle Triangle Characteristics 3D shapes Cuboids Cubes Cone Sphere Curved Straight Flat Over Under Between Around Through Into On Next Behind Beneath Order Repeat Patterns	
Year 1	Sort Represent Multiples Partitioning Ones tens	Addition Subtraction Difference Equals Facts Problems 2 digit number	Whole Half Quarter Equal parts	Compare Mass Volume Chronological order Month Year	Sides Corners Properties Pyramids Faces Positions Direction	

		Inverse Multiplication Division Arrays		O'clock Half past Second Money Coins Notes Pounds Pence	Movement Whole turn Half turn Quarter turn	
Year 2	Count in steps Count in multiples Place value Estimate Compare	Multiplication tables Communicative Repeated addition	Three quarters Third Equivalent fractions Unit fractions Non unit fractions Numerator One whole	Standard units Estimate Order Record results Centimetre Metre Kilogram Gram Quarter full Three quarters full Litres Millilitres Temperature Celsius	Pentagon Hexagon Symmetry Properties Cylinder Edges Vertices Vertex Clock wise Anti clock-wise Rotation Arrange Sequences	Pictograms Tally chart Block diagram Category Sorting Totalling Comparing Horizontal Vertical
Year 3	Ascending Descending 10 or 100 more 10 or 100 less Hundreds	Column addition Column subtraction Exchange Estimate Statements Integer scaling problems correspondence problems Derived facts	Tenths	Millimetre Perimeter Analogue clock Roman numerals 12 hour clock 24 hour clock AM / PM Noon Midnight Leap year Digital	Right angle-triangle Heptagon Octagon Polygon Properties Prism Orientations Angles Acute angles Obtuse angles Turn Right angles Half turn Three quarter-turns Horizontal Vertical Perpendicular Parallel	Table Bar chart One-step problem Two-step problem
Year 4	Negative numbers Roman numerals 1000 more 1000 less Thousands Round	4 digit number Operations Methods Factor pairs Formal written layout Distributive law Remainders	Decimal equivalence Hundredths Convert Proper fractions Improper fractions Decimal point	Kilometres Rectilinear figure Area Convert	Isosceles Equilateral Scalene Trapezium Rhombus Parallelogram Kite Geometric shapes	Time graph Discrete data Continuous data Line graph Comparison problem

					Quadrilaterals Co-ordinates First quadrant Grid Translation Plot Polygon Axis	Sum problem Calculate Interpret
Year 5	Ten thousand One hundred thousand Powers of integer	Multiples Factors Prime numbers Square numbers Cube numbers Short division Product Dividend Divisor Quotient Operations	Fifth Thousandths Mixed numbers Per cent Factors Integer Complements	Decimal notion Scaling Metric units Imperial units Inches Compound shape Irregular shapes Square centimetres Square metres Cubic centimetre Pounds pints	Regular polygon Irregular polygon Reflex angles Degrees One whole turn Reflection	Time table Two-way tables
Year 6	Millions Ten millions	Multi digit numbers Long division		Conversion Miles Formulae Parallelograms Triangles Feet Cubic metre Cubic millimetre Cubic kilometre Gallons Stones ounces	Radius Diameter Circumference Dimensions Four quadrants	Pie chart Mean
Additional Year 6	Algebra	Ratio and Proportion				
	Formulae Linear number sequences Algebraically Equation Unknowns Combinations variables	Relative size Missing values Integer multiplication Percentages Scale factor Unequal sharing and grouping				