



Infinity Academies Trust

Maths Vocabulary Progression Grid

	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Number and Place Value	One more One less Place Order Number Count Numbers up to twenty Number line Pictorial Answer Equals Read Write	Forwards Backwards Numerals Words Multiples Equal to More than Less than Fewer Most Least Identify Represent Digit Calculate Odd Even Pattern Numbers up to one hundred	Ones Tens Two- digit Estimate Place Value Solve Problems Greater than > Less than < Nearest ten Number facts Partition Count in steps Zero Compare Determine Value	Hundreds Three-digit ten more one hundred more ten less one hundred less Roman numeral Numbers up to one thousand	Thousands Four- digit Negative number One thousand more One thousand less Decimal Decimal place Rounding Place holder Nearest ten Nearest hundred Nearest thousand One place Whole number Integer Tenths Hundredths	Ten thousands Hundred thousands Millions Context Steps of powers Decimal equivalents Two decimal places Thousandths Numbers up to one million	Intervals across zero Three decimal places Hundredths Thousandths Ten thousandths Numbers up to ten million
Addition and Subtraction	Add Subtract Addition Subtraction Adding Subtracting	One step problem Concrete object Pictorial representatio	Columnar addition Columnar Subtraction Tens Order	Three-digit number Hundreds Estimate Number facts	Two step problems Context Four-digit	Increasingly large numbers More than 4 digits Rounding	Estimation Mixed operations

	Number Number line Single digit Count on Count back Answer Doubling Halving Sharing Numbers to twenty Check	n Missing number Problem Read Write Interpret Equals = Signs One-digit Two-digit Ones Mental Mentally	Inverse Relationship Calculation Solve problems Missing number problems Quantities Measures Formal Written method Mental method Method Operation Apply Whole number			Determine Context Multi-step problems	
Multiplication and Division	sharing doubling halving number pattern	Multiples Twos Fives Tens Number Multiply Divide Multiplication Division One step Problem Answer Concrete object Pictorial representatio n Arrays Count Equals Write	Multiplication facts Division facts Multiplication tables Odd numbers Even numbers Share Equally Repeated Division Calculate	Missing number problem Estimate Inverse Formal written method Mathematical statement Recall Integer Two- digit One- digit	Derived facts Factors Factor pairs Scaling problems Three-digit	Decimals Four-digit Long multiplication Short division Remainders Context Common factors Common Multiples Prime numbers Prime factors Composite numbers Square number Cube number Notation Squares	Scale factor Long division Whole number remainders Fractions Rounding Mixed operations

						Cubes	
Measure	Measure Measurement Size Weight Capacity Compare Solve Problems Object Time	Length Height Long Short Longer Shorter Tall Double Half Mass Heavy Light Heavier than Lighter than Volume Full Empty More than Less than Half Half full Quarter Quicker Slower Earlier Later Sequence events Chronological order Before After Next First Today Yesterday Tomorrow Morning Afternoon	Greater than > Less than < Equals = Intervals Standard units Estimate Direction Temperature Unit Scales Rulers Thermometer s Measuring vessels Metres Centimetres Kilograms Grams Degrees Celsius Litres Millilitres Symbols Money Pounds (£) Pence (p) Different Combinations Change Five past Ten past Quarter past Twenty past Twenty-five past Half past Twenty-five to Twenty to Quarter to	Duration Time taken Nearest minute Record Seconds a.m. p.m. noon midnight kilometre add subtract millimetres perimeter simple 2-D shapes analogue clock roman numerals 12-hour 24-hour Leap year	Estimate Rectilinear figure Area Rectilinear shapes Convert	Square centimetres (cm ²) Square metres (m ²) Irregular shapes Volume (cm ³) Cubes Cuboids Square numbers Cube numbers Metric measure Metric units Imperial units Inches Pounds Pints	Decimal notation Cubic centimetres (cm ³) Cubic metres (m ³) Cubic millimetre (mm ³) Cubic kilometre (Km ³) Decimal places formulae Miles

		Evening Record Hours Minutes Hour Half past O clock Hands Clock face Seconds Coins Notes Dates Days Weeks Months	Ten to Five to				
Geometry (Position and Direction)	Position Distance Direction Move Movement Patterns	Half turn Quarter turn Three-quarter turn Left Right Up Down	Rotation Right angle Clockwise Anti-clockwise Order Arrange Sequence	As KS1	Co-ordinates Quadrant Grid Translate Translation Axis X- axis Y-axis Spaces Unit Plot Point Polygon	Reflection	Four quadrants
Geometry (Properties of shape)	Shape Square Rectangle Circle Triangle Sides Straight side Curved side	2-D Shapes 3-D Shapes TwoDimensional ThreeDimensional Cuboid Cube Pyramid Cone Cylinder Sphere	Properties Compare Common Line symmetry Vertical line Edges Faces Vertices Pentagon Hexagon Heptagon Octagon Nonagon	Angle Turn Right angles Quarter of a turn Half-turn Three quarters of a turn Complete turn Horizontal lines Vertical lines	Lines of symmetry Symmetric figure Classify Geometric shapes Quadrilaterals Acute angle Obtuse angle	Angles Measure Degrees Missing lengths Missing angles Regular polygons Irregular polygons Degrees Estimate	Radius Diameter Circumference Nets

			Decagon Kite Rhombus Polygon Square-based pyramid Triangular pyramid Triangular prism Rectangular prism Pentagonal prism Hexagonal prism Octagonal Prism Octahedron Dodecahedron Tetrahedron Rectangular pyramid Pentagonal pyramid Hexagonal pyramid Octagonal pyramid	Perpendicular lines Parallel lines		compare Reflex angle Point Straight line Multiples	
Fractions, Decimals and Percentages		Fraction Half Equal parts One whole Object Shape Quantity Quarter	Simple fractions Equivalent equivalence Count	Tenths Unit fractions Non - unit fractions Numerator Denominator Compare Order Add Subtract	Hundredths Decimal Decimal place One decimal place Two decimal places Round decimals Whole number Common	Thousandths Multiples Three decimal places Per cent Number of parts per hundred Percentages Decimal fraction	Common factors Common multiples Decimal fraction equivalents Simplest form

				Solve problems	equivalent fractions Decimal equivalents Dividing Ones Tenths Hundredths Simple measure Money problems	Mixed numbers Improper fraction Proper fraction Convert Mathematical statements Multiply Percentage and decimal equivalents	
Statistics			Interpret Construct Pictogram Tally chart Block diagrams Horizontal Vertical x- axis y-axis key title chart title Simple tables Ask Answer Questions Counting Objects Category Sort Quantity Total Compare Data	Present Presented Graph Statistics Bar charts Tables Solve One - step questions Two - step questions Information	Time graphs Comparison Problems	Timetables Line graph	Pie chart Calculate Mean Average
Algebra		Solve	Inverse	As KS1	Perimeter	Properties	Missing

		One -step problem Missing number Check Calculate problem Sequence Chronological	Relationship Compare Order Arrange Pattern		Algebra Algebraically	Rectangles Deduce Related facts Missing lengths Missing angles	number Problem Pairs Number sentence Variables Combination Possibility Enumerate Equation Formulae Generate Linear number sequence
Ratio and Proportion							Ratio Proportion Size Quantity Missing value Integer Multiplication Division Multiply Divide Solve Problem Calculate Percentage Comparison Unequal sharing Grouping Fractions Multiples

Our progressive vocabulary ladder identifies key vocabulary to be taught from EYFS to year 6. These words are part of a whole host of work aimed at narrowing the vocabulary gap for our children. As a school we aim to expose all children to a broad range of vocabulary and provide them with the skills to use and apply these. Beyond this, we know that,

ultimately, the most powerful method of broadening and deepening the vocabulary of our children is to get them to read a significant amount. Reading for pleasure, talking about reading, and great teaching of reading by every teacher can make a real difference.