

# Westfield Primary School

## Key Vocabulary Progression in Maths



*Same as previous year groups, plus:*

**Number and Place Value**

Year 0	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<b>EYFS</b> One more One less Place Order Number Count Numbers up to twenty Number line Picture 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 numbers 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 numbers 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 thousand Hundred thousands Millions Context 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

	EYFS	Same as previous year groups, plus:					
		Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<b>Addition and Subtraction</b>	Add	One step problem	Column addition	Three digit numbers	Two step problems	Five- and six-digit numbers	Estimation
	Subtract	Concrete	Column subtraction	Hundreds	Context	Determine	Reasoning
	Addition	object	Tens	Place Value	Four-digit numbers	Explain	Best method
	Subtraction	Pictorial representation	Order	Estimate		Context	Describe
	Adding	Missing number	Inverse	Number facts		Multi-step problems	Solution
	Subtracting	Problem	Relationship	Commutativity			Mixed operations
	Number	Read	Calculation				
	Number line	Write	Solve problems				
	Single digit	Interpret	Missing number problems				
	Count on	Equals = Signs	Quantities				
	Count back	One-digit	Measures				
	Answer	Two-digit	Mental methods				
	Doubling	Ones	Method				
	Halving	Mental	Operation				
	Sharing	Mentally	Apply				
	Numbers to twenty		Whole number				
	Check		Commutativity (conceptually)				

	EYFS	Same as previous year groups, plus:					
		Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Multiplication and Division	sharing doubling halving number pattern	Multiples Twos Fives Tens Number Multiply Divide Multiplication Division One step problem Answer Concrete object Pictorial representation Arrays Count Equals	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 cubes	Scale factor Long division Whole number remainders Fractions Rounding Mixed operations

	EYFS	Same as previous year groups, plus:					
		Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Measure	Measure	Length	Greater than >	Duration	Estimate	Square centimetres	Decimal notation
	Measurement	Height	Less than <	Time taken	Rectilinear figure	(cm <sup>2</sup> )	Cubic centimetres
	Size	Long	Equals =	Nearest minute	Area	Square metres (m <sup>2</sup> )	(cm <sup>3</sup> )
	Weight	Short	Intervals	Record	Rectilinear shapes	Irregular shapes	Cubic metres (m <sup>3</sup> )
	Capacity	Longer	Standard units	Seconds	Convert	Volume (cm <sup>3</sup> )	Cubic millimetre
	Compare	Shorter	Estimate	a.m. p.m.		Cubes	(mm <sup>3</sup> )
	Solve	Tall	Direction	noon		Cuboids	Cubic kilometre
	Problems	Double	Temperature	midnight		Square numbers	(Km <sup>3</sup> )
	Object	Half	Unit	kilometre		Cube number	Decimal places
	time	Mass	Scales	add		Metric measure	formulae
		Heavy	Rulers	subtract		Metric units	Miles
		Light	Thermometers	millimetres		Imperial units	
		Heavier than	Measuring vessels	perimeter		Inches	
		Lighter than	Metres	simple 2-D shapes		Pounds	
		Volume	Centimetres	analogue clock		Pints	
		Full	Kilograms	roman numerals			
		Empty	Grams	12-hour			
		More than	Degrees	24-hour			
		Less than	Celsius	Leap year			
		Half	Litres				
		Half full	Millilitres				
	Quarter	Symbols					
	Quicker	Money					
	Slower	Pounds (£)					
	Earlier	Pence (p)					
	later	Different					
	Sequence events	combinations					
	Chronological	Change					
	order	Five past					
	Before	Ten past					
	After	Quarter past					
	Next	Twenty past					
	First						

		Today Yesterday Tomorrow Morning Afternoon Evening Record Hours Minutes Hour Half past O clock Hands Clock face Seconds Coins Notes Dates Days Weeks months	Twenty-five past Half past Twenty-five to Twenty to Quarter to Ten to Five to				
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Geometry (Position and direction)	EYFS	Same as previous year groups, plus:					
		Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
	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		Co-ordinates Quadrant Grid Translate Translation Axis X- axis Y-axis Spaces Unit Plot Point Polygon	Reflection	Four quadrants

<i>Same as previous year groups, plus:</i>							
Geometry (Properties of Shape)	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
	Shape Square Rectangle Circle Triangle Sides Straight side Curved side	2-D Shapes 3-D Shapes Two-dimensional Three-dimensional Cuboid Cube Pyramid Cone Cylinder Sphere	Properties Compare Common Line symmetry Vertical line Edges Faces Vertices Pentagon Hexagon Heptagon Octagon Nonagon Decagon Kite Rhombus Polygon Square-based pyramid Triangular pyramid Triangular prism Rectangular prism Pentagonal prism Hexagonal prism Octagon prism Octahedron Dodecahedron Tetrahedron Rectangular pyramid Pentagonal pyramid Hexagonal pyramid Octagonal pyramid	Angle Turn Right angles Quarter of a turn Half-turn Three quarters of a turn Complete turn Horizontal lines Vertical lines Perpendicular lines Parallel 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 compare Reflex angle Point Straight line Multiples	Radius Diameter Circumference Nets

Fractions, Decimals and Percentages	EYFS	Same as previous year groups, plus:					
		Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
		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 Solve problems	Hundredths Decimal Decimal place One decimal place Two decimal places Round decimals Whole number Common equivalent fractions Decimal equivalents Dividing Ones Tenths Hundredths Simple measure Money problems	Thousandths Multiples Three decimal places Per cent Number of parts per hundred Percentages Decimal fraction Mixed numbers Improper fraction Proper fraction Convert Mathematical statements Multiply Percentage and decimal equivalents	Common factors Common multiples Decimal fraction equivalents Simplest form

		<i>Same as previous year groups, plus:</i>					
EYFS		Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
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

	<i>Same as previous year groups, plus:</i>						
	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Algebra		Solve One -step problem Missing number Check Calculate problem Sequence Chronological	Inverse Relationship Compare Order Arrange Pattern		Perimeter Algebra Algebraically	Properties Rectangles Deduce Related facts Missing lengths Missing angles	Missing number Problem Pairs Number sentence Variables Combination Possibility Enumerate Equation Formulae Generate Linear number sequence

	<i>Same as previous year groups, plus:</i>						
	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Ratio and Proportion							Ratio Proportion Size Quantity Missing value Integer Multiplication Division Multiply Divide Solve Problem Calculate Percentage Comparison Unequal sharing Grouping Fractions Multiples

Same as previous year groups, plus:

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	
	General reasoning and problem solving	<p>remember, start from, look at, point to, what comes next? find, use, make, build, tell me, describe, pick out, talk about, explain, show me, tick, draw a line, ring, number line, number track, number square, counters, cubes, blocks, dice, dominoes, pegs, peg board, same way, different way, in order, in a different order</p>	<p>Place, fit, arrange, rearrange, change, change over, split, separate, carry on, continue, repeat choose, collect record, trace, copy, complete, finish, end, fill in, shade, colour, cross, draw, draw a line between, join (up), arrow answer, check, same number(s), different number(s), missing number(s) number facts, Abacus, rods, best way, another way, every, each</p>	<p>Predict Describe the pattern Describe the rule Find, find all, find different, Investigate</p>			