## **Maths Vocabulary Progression**





Aim high and shine

Number and Place Value Vocabulary								
Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6		
Reception  Numbers to 0 - 21 with words & pictorial representation	Year 1  Number, numeral, digit Figure(s) Pair Units, ones, tens Numbers 0 to 21 with words Twenty one, twenty two One hundred Count (on/up/to/from/down) Before, after Most, least More, less, Ten more/less many, few, fewer, least, fewest, smallest, greater, lesser Equal to, the same as Equivalent to Odd, even Forwards, backwards Many Halfway-between Above, below Compare (In) order/a different order, size, value between, Estimating	Year 2  Hundreds, Tens, Ones One, two or three digit numbers Place, place value Stands for, represents Partition, recombine  Numbers to 100 with words Equals One hundred, two hundred one thousand  Count in twos, threes, fours and fives  Sequence, continue, predict, rule Greater than > Less than <  Estimating Exact, exactly	Year 3  Numbers to 1000 in words (e.g. the ones – tens, hundreds, thousands) Three digit numbers  Count in fours, eights, fifties and hundreds Hundred more/less  Round, nearest, Round to nearest ten, round to nearest hundred Round up, round down	Year 4  Four digit number Thousands Hundreds Tens and ones Integer, positive, negative, minus Negative numbers, negative integers Tenths, hundredths Decimal (places) factor  Thousand more/less than  Next, consecutive  Count in sixes, sevens, nines, 25s and thousands Count through zero Above/below zero  Roman numerals (I to C)  Round (to nearest) thousand	Year 5 Powers of 10 Factor pair  Round to nearest ten thousand and hundred thousand numbers up to 1,000,000 Roman numerals to M	Year 6  Numbers to ten million Factorise, prime factor  Algebra Linear number sequence Substitute Variables Symbol Known values		

Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Add	Add, addition, +	Addition	Formal written methods	Inverse	Efficient written	Order of operations
		Add	Formal written methods		methods	Order of operations
Take away	Take away -		Calvara a additi a a	Estimate, check	methods	
Equals	Equals, =	Plus	Column addition			
How many?	is the same as	More than	Carry			
Altogether	D:tt	Count on				
	Difference, Find the	Altogether e.g. total	Column subtraction			
	difference	sum	Exchange			
	Subtract	Bridging ten, tens				
	Count back	boundary				
	Count on	One hundred more				
	Altogether					
	Sum					
	Total					
	Plus	Subtraction				
	Inverse	Take away				
	Double	Subtract				
	Near double	Minus				
	Half, halve	Count back				
	Number bonds	Fewer				
	Pairs	Less than				
	Missing numbers	One hundred less				
		Exchange				
	How many more to	Find the difference				
	make?, how					
	many more isthan?,					
	how much more is?					
	Subtract, take away,					
	minus					
	How many fewer					
	isthan?, how much					
	less is?					

Multiplication and Division Vocabulary								
Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6		
	Repeated addition	Repeated addition	Grid Method	Formal written method	Long multiplication	Order of operations		
X Language	Array, row, column	Arrays	Jottings	Short multiplication	Cubed numbers			
Sharing	Commutativity	Scaling	Multiples/of	Expanded method	Common factors,			
Groups of	Pictorial	Partitioning	Jotting	Compact method	common multiples			
÷ Visual	Representation	Multiplication	Partitioning	Estimate				
Hoops	Double	Once, twice, third,	Grid	Factors, factor pairs				
Compare bears etc.	Halve	fourth etc.	Columns	Scaling up				
: Language	Equally	Inverse operation	Product	Multiplication facts (up				
Sharing	Lots of	Partitioning	Record	to 12x12)				
Grouping	Groups of	Factors	Scaling up	Commutativity				
	Multiplication	Repeated addition		Distributive law				
	Multiply/ied by	Multiples		Correspondence				
	Multiple, multiple of	Multiplication		Squared numbers				
	Times by							
	Repeated subtraction	Repeated subtraction	Chunking	Chunking groups	Chunking with multiples			
	Groups	Groups – blank	Jottings, key facts	Short division	Long division			
	Double	numbers	Divisor	Remainder	Quotient			
	Halve	Partitioning	Strategies	Left over	Check using Inverse			
	Equally	Once, twice, third,	Divisible by	Columns	Prime numbers			
	Share, share equally	fourth	How many	Workings	Prime factors			
	Groups of, equal groups	Inverse operation	Factor	Chunks	Composite numbers			
	of	Partitioning	remainder	Multiples	Interpret remainders in			
	Grouping	Factors		Remainder	context			
	Lots of	Division		Division facts				
	Division	Fraction of		Estimate				
	Divide/d by	Half		Inverse				
	Dividing			Derive				
	Left, left over							

Fractions, Decimals and Percentages Vocabulary							
Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	
Number line to 0-21 with pictorial representation Money with pictorial representation Coin with pictorial representation	Fraction Whole Equal part/s Four equal parts Equal grouping Equal sharing One of two equal parts One half, two halves One of four equal parts A quarter, two quarters	Name:1/3, 1/4, 2/3, ¾ Equivalence, equivalent	Numerator, denominator Same denominator Unit fraction, non-unit fraction Equivalent fractions Compare, order Sixths, sevenths, eighths, tenths	Decimal Equivalent decimals and fractions Decimal equivalents Decimal point hundredths proportion	Proper/improper fractions, Reduce to cancel mixed numbers Percentage % thousandths Convert	Degree of accuracy Simplify Express in the simplest form ratio	

	Statistics Vocabulary							
Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6		
	Vote, table		Interpret	Discrete data	Line Graph	Pie charts		
			Construct	Continuous data	Timetable	Mean, mode, median,		
			Pictogram	Graphical	Coordinates on time	range		
			Tally Chart	Bar Chart	graphs	distribution		
			Block Diagram	Time Graph	Pie Charts			
			Table	Comparison	Line graphs			
			Category	Sum	Interpret data			
			Quantity	Difference	Mean average			
			Total		Data sets – connectivity			
			Compare		of concepts			
			Data					

		N	/leasures Vocabula	ry		
Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Length Longer, shorter Size Bigger, smaller	Measurement Long, short centimetres Heavy, light, roughly Ruler, metre stick	Temperature (degrees)	Perimeter or 2D shapes	Perimeter & area of rectilinear shapes	Composite rectilinear Formulae – area Volume Scaling	Radius, diameter, circumference Tonne
Weight Balances, Scales Weigh, weighs, Heavy, heavier, heaviest light, lighter, lightest  Capacity Container Holds Empty, full, half full	Clock Hours, minutes, seconds, O'clock, half past  Time Yesterday, today,	Clock quarter past, quarter to intervals of 5 minutes	Clock Tell time to nearest minute Analogue, digital- 24 hour clock Twelve-hour/twenty- four- hour clock Roman numerals I to XIII  Time am/pm, morning,		Metric units Standard units Square centimetres (cm²) Square metres (m²) Imperial units Feet, Inches Pints, fluid ounces Pounds, ounces	cubic centimetres(cm3), cubic metres (m3), cubic millimetres (mm3), centilitre, cubic kilometres (km3)
Time Time Days of the week, months of the year, seasons Before, after	tomorrow, morning, afternoon, evening – within timetables etc. Days of the week/months of the year, seasons		afternoon, noon, midnight Leap year			
	Comparison of measure Kilogram, half kilogram Litre, half litre, capacity, volume, More than, less than, Quarter full	Comparison of measure m / cm I / ml in context g / kg	Comparison of measure mm / cm /m kg / g ml / l	Converting Convert km to m Hour to minute Analogue – 12 hour Digital – 24 hour £ to p, p to £		Converting miles into Km
	Money Change, dear, costs more, cheap, costs less, cheaper, costs the same as, total How much? How many?	Money Pounds £, pence p	Money Add, subtract, give change			

	Geometry Vocabulary								
Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6			
Position On, under, above, behind, in front of, in, next to/beside, between 2D Shapes Circle, triangle, rectangle, square 3D Shapes Cube, pyramid, cuboid, cone, sphere, cylinder Properties Sides, corners, faces	Position As Reception + shapes rotated for progression. Underneath, centre, journey 2D Shapes As Reception + shapes rotated for progression. Point, pointed 3D Shapes As Reception + shapes rotated for progression. Cuboid, cylinder Properties Vertices, edges, faces Direction left, right, half turn, quarter turn, ¾ turn Symmetry Symmetry Symmetrical pattern	2D & 3D Shapes Irregular shapes 2D faces within 3D shapes Properties language Edges, vertices, faces Symmetry Vertical, horizontal Position/Direction Right angle, ¼ turns, ¾ turns, clockwise, anticlockwise	2D shape pentagonal hexagonal octagonal quadrilateral parallel perpendicular right angle – turning 90°- ¼-¾, greater than less than horizontal, vertical, diagonal equilateral triangle,  3D shape hemisphere prism triangular prism  Position & Direction compass point north, south, east, west acute, obtuse	2D shape two dimensional oblong rectilinear Triangles – equilateral, isosceles, scalene, right- angled heptagon parallelogram rhombus kite trapezium polygon  3D shape three dimensional spherical cylindrical tetrahedron polyhedron  Position & Direction north-east, north-west, south-east, south-west Translation – left, right Co-ordinates, quadrant (1st)  construct reflect reflection regular, irregular	Regular and irregular polygons Reflex angles  octahedron  protractor radius, diameter congruent angles reflective symmetry	Vertically opposite angles Circumference, Dodecahedron			