



Mathematics Vocabulary Progression document (Nursery - Y6)

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.

Some vocabulary might be introduced earlier (shapes for instance) if necessary or as part of an activity, however this document ensures coverage is progressive.

Number - Number and place value

Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Count	count	sort	count in steps	ascending	negative numbers	ten thousands	millions
Same	subitise	represent	count in multiples	descending	roman numerals	one hundred thousands	ten millions
Different	order/ordinal	multiples	place value	10 or 100 more	1000 more	powers of	
How many	compare	partitioning	estimate	10 or 100 less	1000 less	integer	
Number	forwards	ones	compare	hundreds	thousands		
Altogether	backwards	tens			round		
Most / more	numerals						
Least / less	digit						
Group	one more						
	one less						
	equal to						
	more than						
	less than (fewer)						

Addition and subtraction

Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
And	add	addition/add	sum	column addition	4-digit number		
How many	plus	subtraction	3-digit number	column subtraction	operations		
Take away	altogether	difference	commutative	exchange	methods		
	total	equals		estimate			
	minus	facts					
	number bonds	problems					
	part	missing number problems					
	whole	2-digit number					
	digit	inverse					

Multiplication and division

Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Share	double	multiplication	multiplication tables	exchange	factor pairs	multiples	multi-digit numbers
Group	half	division	commutative	mathematical statements	formal written layout	factors	long division
Same	twice as many	arrays	repeated addition	missing number problems	distributive law	prime numbers	
Different	equal			integer scaling problems	remainders	square numbers	
Sort	unequal			correspondence problems		cube numbers	
	share			derived facts		short division	
	group					product	
	odd					dividend	
	even					divisor	
						quotient	
						operations	

Fractions/Decimals/Percentages

Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
		whole	three quarters	tenths	decimal equivalence	fifth	
		half	third		hundredths	thousandths	
		quarter	equivalent fractions		convert	mixed numbers	
		equal parts	unit fractions		proper fractions	per cent %	
			non unit fractions		improper fractions	factors	
			numerator		decimal point	integer	
			denominator			complements	
			one whole				

Ratio and proportion

Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
							relative size
							missing values
							integer multiplication
							percentages
							scale factor
							unequal sharing & grouping

Algebra

Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
							formulae
							linear number sequences
							algebraically
							equation
							unknowns
							combinations
							variables

Measurement (Measure and Length)

Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Reception
Big	measure	compare	standard units	millimetre mm		kilometres km	decimal notation	conversion
Small	wide(er)		estimate	perimeter		rectilinear figure	scaling	miles
Medium	narrow(er)		order			area	metric units	formulae
Long	compare		record results				imperial units	parallelograms
Short	long(er)(est)		centimetre cm				inches	triangles
Tall	short(er)(est)		metre m				compound shape	feet
Small	length						irregular shapes	
Thick							square centimetres	
Thin							square metres	

Measurement (Height, Weight & Capacity)

Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Reception
Tall	height	mass	kilogram kg				cubic centimetre	cubic metre
Short	long(er)/short(er)	volume	gram g				pounds	cubic millimetre
Heavy	tall(er)/short(er)		quarter full				pints	cubic kilometre
Light	weight		three quarters full					gallons
Balance	capacity		litres l					stones
More	heavy/light		millilitres ml					ounces
Less	heavier than		temperature					
Space	lighter than		Celsius					
Inside	big/bigger/biggest							
Scales	full/empty							
Full	more than							
Empty	less than							
Half full	half/half full							

Measurement (Time)

Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Time	time	chronological order	intervals of time	analogue clock	convert		
Quick / slow	quicker	<i>days of the week</i>	quarter past/to	roman numerals			
Day	slower	<i>months of the year</i>	duration	12-hour clock			
Morning	earlier	month		24-hour clock			
Afternoon	later	year		a.m./p.m.			
Clock	before	o'clock		noon			
Now	after	half past		midnight			
Then	first	second		leap year			
After	next			digital			
Before	today						
Bed time	yesterday						
Dinner time	tomorrow						
Snack time	morning						
Home time	afternoon						
Yesterday	evening						
Tomorrow	day						
Week	week						

	hour						
	minutes						

Measurement (Money)

Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
		money	value				
		coins	change				
		notes					
		pounds £					
		pence p					

Geometry – Properties of Shape

Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Shape	2-d shapes	sides	pentagon	right-angle triangle	isosceles	regular polygon	radius
Flat	rectangle	corners	hexagon	heptagon	equilateral	irregular polygon	diameter
Corners	square	properties	line of symmetry	octagon	scalene		circumference
Round	circle	pyramids	properties	polygon	trapezium		dimensions
Same	triangle	faces	cylinder	properties	rhombus		
Different	characteristics		edges	prism	parallelogram		

Circle	3-d shapes		vertices		kite		
Triangle	cuboids		vertex		geometric shapes		
Square	cubes				quadrilaterals		
Rectangle	cone						
Curvy	spheres						
Straight	curved						
	straight						
	flat						

Geometry – Properties of shape (2)

Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
				orientations		reflex angles	
				angles		degrees	
				acute angle		one whole turn	
				obtuse angle		angles on straight line	
				turn		angles around a point	
				right angles		vertically opposite	
				half turn		missing angles	
				three quarters of a turn			
				greater than right angle			
				less than right angle			
				horizontal lines			

			vertical lines			
			perpendicular lines			
			parallel lines			

Geometry – Position and direction

Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
On	over	position	clockwise/anti-clockwise		co-ordinates	reflection	four quadrants
Off	under	direction	straight line		first quadrant		co-ordinate plane
Under	between	movement	rotation		grid		
On top	around	whole turn	arrange		translation		
First	through	quarter turn	sequences		plot		
Then	on	half turn			polygon		
Now	into	three-quarter turn			axis		
Next	next to						
Behind	behind						
In front	beneath						
Inside	order						
Outside	repeat						
	patterns						
	on top of						

Statistics

Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
			pictograms	table	time graph	timetable	pie chart
			tally chart	bar chart	discrete data	two-way tables	mean
			block diagram	one-step problem	continuous data		
			category	two-step problem	line graph		
			sorting		comparison problem		
			totalling		sum problem		
			comparing		difference problem		
			horizontal		calculate		
			vertical		interpret		