



Mathematics

Vocabulary Progression document (YR-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. This document is fully editable so language can be moved into earlier or later year groups where necessary.

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

Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
count	sort	count in steps	ascending	negative numbers	ten thousands	millions
subitise	represent	count in multiples	descending	roman numerals	one hundred thousands	ten millions
order/ordinal	multiples	place value	10 or 100 more	1000 more	powers of	composite
compare	partitioning	estimate	10 or 100 less	1000 less	integer	prime factor
forwards/backwards	ones	compare	hundreds	thousands	prime	cubed
Same/different	tens	How much	remainder	round	squared	
number/numerals	first/second/third...	How many	decimal/s	operation	common factors	
digit	odd/even	digit	integer	factor	common multiples	
one more /one less	Double	greater than				
zero	halve	less than				
equal to	larger/smaller	partition				
more than	altogether	inverse				
less than (fewer)		calculate				

Addition and subtraction

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

Multiplication and division

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

Fractions/Decimals/Percentages

Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
	whole	three quarters	tenths	decimal equivalence	fifth	simplify
	half	third	fifths	hundredths	thousandths	degrees of accuracy
	quarter	equivalent fractions	sixths	convert	mixed numbers	
	equal parts	unit fractions	sevenths	proper fractions	per cent %	
	sharing	non unit fractions	eighths	improper fractions	factors	
	part	numerator	ninths	decimal point	integer	
	order	denominator			complements	
		one whole				

Ratio and proportion

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
						a:b

Algebra

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

Measurement (Measure and Length)

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

Measurement (Height, Weight and Capacity)

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

Measurement (Time)

Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
time	chronological order	intervals of time	analogue clock	convert		
quicker	<i>days of the week</i>	quarter past/to	roman numerals	conversion		
slower	<i>months of the year</i>	duration	12-hour clock			
earlier	month	earlier/later	24-hour clock			
later	year	clockwise	a.m./p.m.			
before	o'clock	anticlockwise	noon			
after	half past	analogue	midnight			
first	second		leap year			
next	hour		digital			
today	minute					
yesterday						
tomorrow						
morning						
afternoon						
evening						
day						
week						
hour						
minutes						

Measurement (Money)

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

Geometry – Properties of Shape

Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
2-d shapes	sides	pentagon	right-angle triangle	isosceles	regular polygon	radius
rectangle	corners	hexagon	heptagon	equilateral	irregular polygon	diameter
square	properties	line of symmetry	octagon	scalene	y/x axis/axes	circumference
circle	pyramids	properties	polygon	trapezium	translation	dimensions
triangle	faces	cylinder	properties	rhombus	grid/plot	quadrant
characteristics		edges	prism	parallelogram	coordinates	dissect/dissection
3-d shapes		vertices	scale	kite	reflex	
cuboids		vertex	Polygon	geometric shapes	protractor	
cubes		vertical	Reflex	quadrilaterals	180°/360°	
cone		horizontal		net		
spheres		faces				
curved						
straight						
flat						

Geometry – Properties of shape (2)

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

Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
over	position	clockwise/anti-clockwise	orientation	co-ordinates	reflection	four quadrants
under	direction	straight line	degrees	first quadrant		co-ordinate plane
between	movement	rotation		grid		
around	whole turn	arrange		translation		
through	quarter turn	sequences		plot		
on	half turn	curved		polygon		
into	three-quarter turn	angle		axis		
next to	middle/bottom	right angle				
behind	left/right					
beneath	in front of					
order	behind					
repeat	between					
patterns	above/below					
on top of	around					

Statistics

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		average
		category	two-step problem	line graph		
		sorting	interpret	comparison problem		
		totalling	data	sum problem		
		comparing	scale	difference problem		
		horizontal		calculate		
		vertical		interpret		