

Mathematics Vocabulary

Progression Document



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.

Number – Number and Place Value

EYFS	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	multiples	place value	10 or 100 more	1000 more	powers of	interval
compare	partitioning	estimate	10 or 100 less	1000 less	integer	positive
forwards	ones	compare	hundreds	thousands	convert	sequence
backwards	tens	greater than	exchange	round	equivalent	linear sequence
numerals	odd	less than		multiple	compare	
digit	even	digit				
one more	most					
one less	least					
equal to	ordering					
more than	digit					
less than/fewer						
the same as						
represent						

Addition and Subtraction

EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
add	addition	sum	column addition	operations		
plus	subtraction	3-digit number	column subtraction	methods		
altogether	difference	exchange	exchange	efficient		
total	equals		estimate	strategy		
take away/minus	fact family		digits	number facts		
number bonds	inverse		commutative			
part	number sentence					
whole	column					
digit	ten more					
number sentence	ten less					
	total					
	ones					
	tens					
	bar model					
	represent					

Multiplication and Division

EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
double	arrays	multiplication tables	exchange	factor pairs	multiples	multi-digit numbers
half	sorting	repeated addition	mathematical statements	formal written method	factors	long division
equal	sharing	multiplication	missing number problems	distributive law	prime numbers	
unequal	grouping	division	correspondence problems	remainders	square numbers	
share	lots of		derived facts	dividend	cube numbers	
group			dividend	divisor	short division	
odd			divisor	quotient	product	
even			quotient		operations	
			commutative			
			scaling			
			repeated subtraction			
			bar model			

Fractions/Decimals/Percentages

EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
	whole	three quarters		decimal equivalence	thousandths	highest common multiple
	half	third		hundredths	mixed numbers	lowest common multiple
	quarter	equivalent fractions		convert	percent	simplify
	equal parts	unit fractions		proper fractions	factors	decimal place
		non unit fractions		improper fractions	common numerator	decimal fraction
		numerator		decimal point	common denominator	recurring decimal
		denominator		integer	simplest form	
		one whole		quantities		
				tenths		
				fifths		
				sixths		
				sevenths		
				eighths		
				ninths		
				elevenths		

Ratio and Proportion

EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
						ratio
						proportion
						for every ... there are...
						part
						whole
						scale factor
						enlargement
						similar shapes
						length
						width

[illegible]

Measurement (Height, Weight and Capacity)

EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
height	mass	kilogram (kg)	millimetre (mm)		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			capacity	gallons
capacity		litres (l)			volume	stones
heavy/light		millilitres (ml)			centilitre	ounces
heavier than		temperature				feet
lighter than		celsius				inch
big/bigger/biggest		centimetre (cm)				
small/smaller/smallest		metre (m)				
full/empty						
more than						
less than						
half/half full						

Measurement (Time)

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

Measurement (Money)

[illegible]

Geometry – Properties of Shape

EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
2-d shapes	vertices	pentagon	heptagon	isosceles	regular polygon	radius
rectangle	vertex	hexagon	octagon	equilateral	irregular polygon	diameter
square	properties	line of symmetry	nonagon	scalene	reflex angles	circumference
circle	pyramids	properties	decagon	trapezium	degrees	dimension
triangle	faces	cylinder	polygon	rhombus	one whole turn	
sides	straight	edges	properties	parallelogram	angles on a straight line	
corners	cylinders	vertices	prism	kite	angles around a point	
3-d shapes		vertex	orientations	geometric shapes	vertically opposite	
cuboids		solid	angles	quadrilaterals	missing angles	
cubes		curved surface	acute angle	two-dimensional shape		
cone		round	obtuse angle	reflection		
spheres		vertical	turn			
curved			right angles			
straight			quarter turn			
flat			half turn			
pattern			three quarters of a turn			
			greater than a right angle			
			less than a right angle			
			horizontal lines			
			vertical lines			

			perpendicular lines			
			parallel lines			

Geometry (Position and Direction)

EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
over	position	clockwise		co-ordinates	reflection	four quadrants
under	direction	anti-clockwise		first quadrant	mirror line	co-ordinate plane
between	movement	straight line		grid	horizontal	
around	whole turn	rotation		translation	vertical	
through	quarter turn	arrange		plot		
on	half turn	sequences		polygon		
into	three-quarter turn	north		vertex		
next to	left	south		vertices		
behind	right	east		x-axis		
order	forwards	west		y-axis		
repeat	backwards					
patterns	above					
on top of	below					
in front of	ordinal numbers					

Statistics						
EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
		pictograms	bar chart	time graph	timetable	pie chart
		tally chart	one-step problem	discrete data	two-way tables	mean
		block diagram	two-step problem	continuous data	label	
		category	symbol	comparison data	maximum value	
		sorting	horizontal axis	frequency table	minimum value	
		totaling	vertical axis	line graph	pattern	
		comparing	axes	comparison problem	predict	
		horizontal	scale	sum problem	relationship	
		vertical	intervals	difference problem	represent	
		data		calculate	survey	
		interpret			timetable	
		key			x-axis	
		table			y-axis	
		sorting				