

# Maths Vocabulary Progression



This document outlines the vocabulary progression across our mathematics curriculum (White Rose)

Number - Number and place value							
Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
count	order/ordinal	sort	count in steps	ascending	negative numbers	ten thousands	millions
subitise	compare	represent	count in multiples	descending	roman numerals	one hundred thousands	ten millions
numerals	forwards	multiples	place value	10 or 100 more	1000 more	powers of	
	backwards	partitioning	estimate	10 or 100 less	1000 less	integer	
	digit	ones	compare	hundreds	thousands		
	one more	tens			round		
	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
total	add	addition/add	sum	column addition	4-digit number		
	plus	subtraction	3-digit number	column subtraction	operations		
	altogether	difference	commutative	exchange	methods		
	take away /minus	equals		estimate			
	number bonds	facts					
	part	problems					
	whole	missing number problems					
	digit	2-digit number					
		inverse					

**Multiplication and  
division**

<b>Reception</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Year 4</b>	<b>Year 5</b>	<b>Year 6</b>
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/Decimal  
s/Percentages**

<b>Recep tion</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Year 4</b>	<b>Year 5</b>	<b>Year 6</b>
	whole	three quarters	tenths	decimal equivalence	fifth	
	half	third		hundredths	thousandt hs	
	quarter	equivalent fractions		conv ert	mixed numbers	
	equal parts	unit fractions		proper fractions	per cent %	
		non unit fractions		improper fractions	factors	
		numerator		decimal point	integer	
		denominator			complem ents	
		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

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



Measurement (Height, Weight and Capacity)							
Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
height	biggest	mass	kilogram kg			cubic centimetre	cubic metre
long(er)/short(er)	less than	volume	gram g			pounds	cubic millimetre
tall(er)/short(er)	half/half full		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							
full/empty							
more than							
Little							
small							
fewer than							

Measurement (Time)							
Nurser y	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
before	time	chronological order	interva ls of time	analogu e clock	conve rt		
after	quicker	<i>days of the week</i>	quarte r past/to	roman numeral s			
first	slower	<i>months of the year</i>	duratio n	12-hour clock			
	earlier	mont h		24-hour clock			
	later	year		a.m./p. m.			
	next	o'clo ck		noon			
	today	half past		midnigh t			
	yesterd ay	seco nd		leap year			
	tomorro w			digital			
	mornin g						
	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					
	pounds £					
	pence p					

**Geometry – Properties  
of Shape**

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

corners			vertex		kite		
3-d shapes					geometric shapes		
cuboids					quadrilaterals		
cubes							
spheres							
straight							
flat							
cylinder							
round							

**Geometry –  
Properties of  
shape (2)**

<b>Reception</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Year 4</b>	<b>Year 5</b>	<b>Year 6</b>
			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			



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