



## Maths Vocabulary Progression

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.

<b>Number – number and place value</b>						
<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>
count	sort	count in steps	ascending	1000 more or less	ten thousands	millions
subitise	represent	count in multiples	descending	round	one hundred thousands	ten millions
order/ordinal	multiples	place value	10 or 100 more	negative numbers	powers of	
compare	partitioning	estimate	10 or 100 less	roman numerals	integer	
forwards		compare	hundreds	thousands		
backwards		ones				
numerals		tens				
digit						
one more						
one less						
equal to						
more than						
less than (fewer)						

<b>Addition and Subtraction</b>						
<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>
add	addition/add	sum	column addition	4-digit number		
plus	subtraction	3-digit number	column subtraction	operations		
altogether	difference	commutative	exchange	methods		
total	equals		estimate			
take away/minus	facts					
number bonds	problems					
part	2-digit number					
whole	inverse					
digit						

<b>Multiplication and Division</b>						
<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		derived facts	distributive law	factors	long division
twice as many	arrays	commutative		remainders	prime numbers	
equal		repeated addition			square numbers	
unequal					cube numbers	
share					short division	
group					product	
odd					dividend	
even					divisor	
					quotient	
					operations	

<b>Fractions, Decimals and Percentages</b>						
<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>
	whole	three quarters	tenths	decimal equivalence	fifth	
	half	third		hundredths	thousandths	
	quarter	equivalent fractions		convert	mixed numbers	
	equal parts	unit fractions		proper fraction	percent %	
		non unit fractions		improper fraction	factors	
		numerator		decimal point	integer	
		denominator			complements	
		one whole				

<b>Fractions, Decimals and Percentages</b>						
<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>
						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 sequence
						algebraically
						equation
						unknowns
						combinations
						variables

Measurement: measure and length						
Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
measure	compare	standard units	millimetre mm	kilometre 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					irregular shape	
					square centimetres cm <sup>2</sup>	
					square metres m <sup>2</sup>	

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

<b>Measurement: time</b>						
<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>
time	chronological order	intervals of time	analogue clock	convert		
quicker	<i>days of the week</i>	quarter past/to	roman numerals			
slower	<i>months of the year</i>	duration	12-hour clock			
earlier	month		24-hour clock			
later	year		am/pm			
before	o'clock		noon			
after	half past		midnight			
first	second		leap year			
next			digital			
today						
yesterday						
tomorrow						
morning						
afternoon						
evening						
day						
week						
hour						
minutes						

<b>Measurement: money</b>						
<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>
	money	value				
	coins	change				
	notes					
	pounds £					
	pence p					

### Geometry: properties of shape

Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
2d 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		circumference
circle	pyramids	properties	polygon	trapezium		dimensions
triangle	faces	cylinder	prism	rhombus		
characteristics		edges		parallelogram		
3d shapes		vertices		kite		
cuboids		vertex		geometric shapes		
cubes				quadrilaterals		
cone						
sphere						
curved						
straight						
flat						

### Geometry: angles and lines

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 of 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

<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>
over	position	clockwise		co-ordinates	reflection	four quadrants
under	direction	anti-clockwise		first quadrant		co-ordinate plane
between	movement	straight line		grid		
around	whole turn	rotation		translation		
through	quarter turn	arrange		plot		
on	half turn	sequences		polygon		
into	three-quarters turn			axis		
next to						
behind						
beneath						
order						
repeat						
patterns						
on top of						

### Statistics

<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>
		pictogram	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		comparison problem		
		totalling		sum problem		
		comparing		difference problem		
		horizontal		calculate		
		vertical		interpret		
		Venn diagram				
		Carroll diagram				