Progression in maths vocabulary

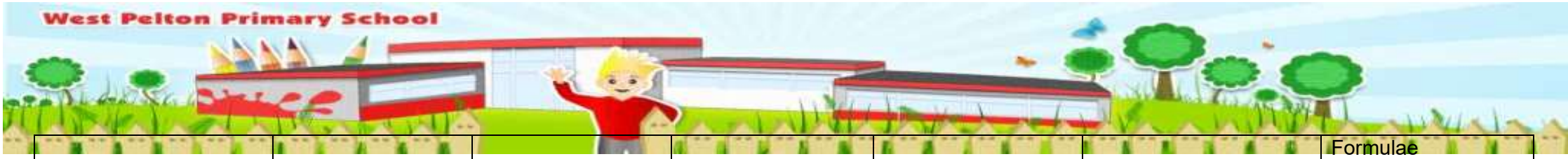
This document is designed to assist with the teaching of vocabulary across EYFS, KS1 and KS2 and is aligned with the White Rose schemes of learning. This document identifies in which year group vocabulary should be explicitly taught and introduced. However, language should be revisited in subsequent 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
multiples	represent	count in multiples	descending	Roman numerals	one hundred thousands	ten millions
partitioning		place value	10 or 100 more	thousands	powers of	
ones		estimate	10 or 100 less	round	integer	
tens		compare		1000 more		
		hundreds		1000 less		
Addition and subtraction						
add	Addition/add	sum 3-digit	Column addition	4-digit number		
plus	Subtraction	number	Column subtraction	Methods		
altogether	Difference Equals	commutative	Exchange			
total	Facts Problems		Estimate			
take away/minus	Missing number problems		Operations			
number bonds	2-digit number					
part	Inverse					
whole						

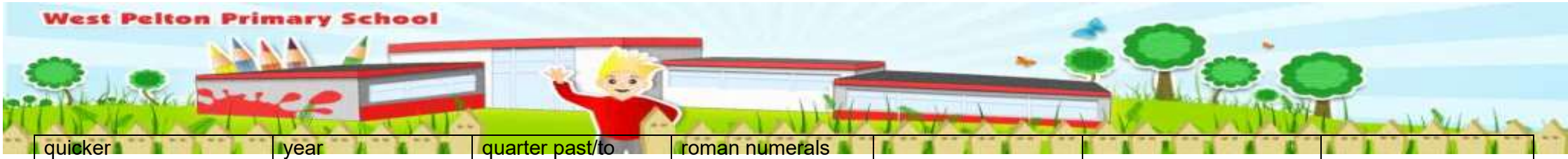
Multiplication and Division						
Reception	**Year 1**	**Year 2**	**Year 3**	**Year 4**	**Year 5**	**Year 6**
double	multiplication	multiplication tables	exchange	factor pairs	multiples	Multi-digit numbers
half	division	commutative	mathematical statements	formal written layout	factors	Long division
twice as many	arrays	repeated addition	missing number problems	distributive law	prime numbers	
equal			integer	remainders	square numbers	
unequal			scaling problems		cube numbers	
share			correspondence		short division	
group			Problems		product	
odd			derived facts		divisor	
even					quotient	
					operations	
Fractions, Decimals and Percentages						
	whole	three quarters	tenths	decimal	fifth	
	half	third one whole		equivalence	thousandths	
	quarter	equivalent fractions		hundredths	mixed numbers	
	equal	unit fractions		convert	percent	
	parts	non unit fractions		proper fractions	factors	
		numerator		improper fractions	integer	
		denominator		decimal point	complements	
Ratio and Proportion						
						Relative size
						Missing values
						Integer
						Scale factor
						Unequal sharing and 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 (Measure and Length)						
measure	Compare	Standard units	Millimetre (mm)	Kilometre (km)	Decimal notation	Conversion
wide (er)		Estimate Order	Perimeter	Rectilinear figure	Scaling	Miles
narrow (er)		Record results		Area	Metric units	Formulae
compare		Centimetre (cm)			Imperial units	Parallelograms
long (er) (est)		Metre (m)			Inches	Feet
short (er) (est)					Compound shape	
length					Irregular shape	
					Square centimetre	
					Square metre	
Measurement (Height, Weight, Capacity and Temperature)						
height	mass	Kilogram (kg)			Cubic centimetre	Cubic metre
full	volume	Gram (g)			Pounds	Cubic millimetre
empty		Quarter full			Pints	Cubic kilometre
heavier		Three quarters full				Gallons
lighter		Litres (l)				Stones
		Millilitres (ml)				Ounces
		Temperature Celsius				

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	year	quarter past/to	roman numerals			
slower	o'clock	duration	12-hour clock			
before	half past		24-hour clock			
first	second		AM/PM			
next	days of the week		noon			
today	months of the year		midnight			
yesterday	month		leap year			
tomorrow			digital			
Properties of shape						
rectangle	Sides	Pentagon	Right-angle triangle	Isosceles	Regular polygon	Radius
Square	Corners	Hexagon	Heptagon	Equilateral	Reflex angles	Diameter
Triangle	Properties	Line of symmetry	Octagon	Scalene	Degrees	Circumference
Cube	Pyramids	Properties	Polygon	Trapezium	One whole turn	Dimensions
cone	Faces	Cylinder	Properties	Rhombus	Angles on straight line	
sphere		Edges	Prism	Parallelogram	Angles around a point	
		Vertices	Orientations	Kite	Vertically opposite	
		Vertex	Angles	Geometric shapes	Missing angles	
		Right angle	Acute angle	Quadrilaterals	Irregular polygon	
		Half turn	Obtuse angle			
		Three quarters of a turn	Right angle			
			Half turn			
			Horizontal lines			
			Vertical lines			
			Perpendicular lines			
			Parallel lines			

Position and Direction						
Reception	**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		Co-ordinate plane
between	Movement	Straight line		Grid		

on	Whole turn	Rotation		Translation		
next to	Quarter turn	Arrange		Plot		
around		Sequences		Polygon		
				Axis		
Statistics						
		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		
		Totalling		problem Sum		
		Comparing		problem Difference		
		Horizontal		problem Calculate		
		Vertical		Interpret		