



Kates Hill Primary School- Maths 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.

Topic	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Place Value	count subitise order/ordinal compare forwards backwards numerals digit one more one less equal to more than less than (fewer)	sort represent multiples partitioning ones tens	count in steps count in multiples place value estimate compare	ascending descending 10 or 100 more 10 or 100 less hundreds	Negative numbers Roman numerals 1000 more 1000 less thousands round	ten thousands one hundred thousands powers of integer	millions ten millions
Addition and Subtraction	add plus altogether total	addition/add subtraction difference equals facts	sum 3-digit number commutative	column addition column subtraction exchange estimate	4-digit number operations methods		

	take away/minus number bonds part whole digit	missing number 2-digit number inverse					
Multiplication and Division	double half twice as many equal unequal share group odd even	multiplication division arrays	commutative repeated addition times tables	exchange mathematical statements missing number integer scaling correspondence derived facts	factor pairs formal written method distributive law remainders	multiples factors prime numbers square numbers cube numbers short division product dividend divisor quotient operations	multi-digit numbers long division
Fractions, Decimals and Percentages		whole half quarter equal parts	three quarters third equivalent unit fractions non unit fractions numerator denominator one whole	Tenths	decimal equivalence hundredths convert proper fractions improper fractions decimal point	fifth thousandths mixed numbers percent factors integer complements	
Measure (measure and length)	measure wide(er) narrow(er) compare long(er)(est)	compare	standard units estimate order	millimetre mm perimeter	kilometres km rectilinear figure area	decimal notation scaling	conversion miles

	short(er)(est) length		record results centimetre cm metre m			metric units imperial units inches compound shape irregular shape square centimetres square metres	formulae parallelograms triangles feet
Measure (height, weight and capacity)	height long(er)/short(er) tall(er)/short(er) weight capacity heavy/light heavier than lighter than big/bigger/biggest full/empty more than less than half/half full	mass volume	kilogram kg gram g quarter full three quarters full litres l millilitres ml temperature celsius			cubic centimetre pounds pints	cubic metre cubic millimetre cubic kilometre gallons stones ounces
Measure (time)	time quicker slower earlier later	chronological order month year o'clock half past	intervals of time quarter past/to duration	analogue clock roman numerals 12/hour clock 24-hour clock a.m./pm.	convert		

	before after first next today yesterday tomorrow morning afternoon evening day week hour minutes	second		noon midnight leap year digital			
Measure (money)		money coins notes pounds £ pence p	value change				
Geometry (properties of shapes)	2-d shapes rectangle square circle triangle characteristics	sides corners properties pyramids faces	pentagon hexagon line of symmetry properties cylinder edges vertices	right-angle triangle heptagon octagon polygon properties prism orientations	isosceles equilateral scalene trapezium rhombus parallelogram kite	regular polygon irregular polygon reflex angles degrees one whole turn angles on straight line	radius diameter circumference dimensions

	3-d shapes cuboids cubes cone spheres curved straight flat		vertex	angles acute angle obtuse angle turn right angles half turn $\frac{3}{4}$ of a turn greater than a right angle less than right angle horizontal lines vertical lines perpendicular lines parallel lines	geometric shapes quadrilaterals	angles around a point vertically opposite missing angles	
Geometry (position and direction)	over under between around through on into next to behind beneath order	position direction movement whole turn quarter turn half turn three-quarter turn	clockwise anti-clockwise straight line rotation arrange sequences		co-ordinates first quadrant grid translation plot polygon axis	reflection	four quadrants co-ordinate plane

	repeat patterns on top of						
Statistics			pictograms tally chart block diagram category sorting totalling comparing horizontal vertical	table bar chart one-step problem two-step problem	time graph discrete data continuous data line graph comparison problem sum difference calculate interpret	timetable two-way tables	pie chart mean
Ratio and Proportion							relative size missing values integer multiplication percentages scale Factor unequal sharing and grouping

Algebra							formulae linear number sequences algebraically equation unknowns combinations variables
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