Carleton Endowed CE Primary School

A faithful community that loves, lives and learns with hope and joy; where everyone is valued and encouraged to flourish

Mathematical Vocabulary Progression

This document is designed to assist with the teaching of mathematical vocabulary across EYFS, KS1 and KS2 and is aligned with the White Rose Maths scheme of learning. This document identifies in which year group vocabulary should be explicitly taught and introduced. Language should be revisited in subsequent year groups, retrieved regularly and quizzed often to ensure children are consolidating their understanding. Some vocabulary might be introduced earlier (shapes for example) if necessary or as part of an activity, however this document ensures coverage is progressive and sequenced.

	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Number and 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 take away/minus number bonds part whole digit	addition subtraction difference equals facts problems missing number problems	sum 3-digit number commutative	column addition column subtraction exchange estimate	4-digit number operations methods		

		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 problems integer scaling problems correspondence problems derived facts	factor pairs formal written layout distributive law remainders	multiples factors prime numbers square numbers cube numbers short division product dividend divisor quotient operations	multi-digit numbers long division
Fraction, Decimals and Percentages		whole half quarter equal parts	three quarters third equivalent fractions 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	
Measurement (measure and length)	measure wide(er) narrow(er) compare long(er)(est) short(er)(est) length	compare	standard units estimate order record results centimetre (cm) metre (m)	millimetre (mm) perimeter	kilometres (km) rectilinear figure area	decimal notation scaling metric units imperial units inches compound shape irregular shape square centimetres square metres	conversion miles formulae parallelograms triangles feet
Measurement (height,	height long(er)/short(er) tall(er)/short(er) weight capacity heavy/light	mass volume	kilogram (kg) gram (g) quarter full three quarters full litres (l)			cubic centimetre pounds pints	cubic metre cubic millimetre cubic kilometre gallons stones

weight and capacity)	heavier than lighter than big/bigger/biggest full/empty more than less than half/half full		millilitres (ml) temperature celsius				ounces
Measurement (time)	time quicker slower earlier later before after first next today yesterday tomorrow morning afternoon evening day week hour minutes	chronological order month year o'clock half past second	intervals of time quarter past/to duration	analogue clock roman numerals 12/hour clock 24-hour clock a.m./pm. noon midnight leap year digital	convert		
Money		money coins notes pounds (£) pence (p)	value change				
Geometry (properties of shape)	2-D shapes rectangle square circle triangle characteristics	sides corners properties pyramids faces	pentagon hexagon line of symmetry properties cylinder edges	right-angle triangle heptagon octagon polygon properties	isosceles equilateral scalene trapezium rhombus parallelogram	regular polygon irregular polygon reflex angles degrees one whole turn angles on a	radius diameter circumference dimensions

	3-D shapes cuboids cubes cone spheres curved straight flat		vertices vertex	prism orientations angles acute angle obtuse angle turn right angles half turn ¾ of a turn greater than a right angle less than a right angle horizontal lines vertical lines perpendicular lines parallel lines	kite geometric shapes quadrilaterals	straight-line angles around a point vertically opposite missing angles	
Position and Direction	over under between around through on into next to behind beneath order repeat patterns on top of	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
Statistics			pictograms tally chart block diagram category sorting totalling	table bar chart one-step problem two-step problem	time graph discrete data continuous data line graph	timetable two-way tables	pie chart mean

			comparing horizontal vertical		comparison problem sum problem difference problem calculate interpret		
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