



## Maths Vocabulary Progression – Whole School Overview

This document identifies in which year group vocabulary should be explicitly taught and introduced. This document also ensures all language is built upon and covered progressively. There is an expectation that prior language should be revisited in each year group, retrieved regularly and quizzed often to ensure children are consolidating their understanding.

	Reception	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/add subtraction difference equals facts problems missing number problems 2-digit number inverse addend	sum 3-digit number commutative	column addition column subtraction exchange estimate	4-digit number operations methods		
Multiplication and division	double half twice as many equal	multiplication division arrays	commutative repeated addition times tables	exchange mathematical statements	factor pairs formal written layout	multiples factors prime numbers square numbers	multi-digit numbers long division



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	unequal share group odd even			missing number problems integer scaling problems correspondence problems derived facts	distributive law remainder	cube numbers short division product dividend divisor quotient operations	
Fractions Decimals 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) 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	mass volume	kilogram kg gram g			cubic centimetre pounds pints	cubic metre cubic millimetre



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weight, capacity)	capacity heavy/light heavier than lighter than big/bigger/biggest full/empty more than less than half/half full		quarter full three quarters full litres l millilitres ml temperature celsius				cubic kilometre gallons stones 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		



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Measurement (money)		money coins notes pounds £ pence p	value change				
Geometry (properties of shapes)	2-d shapes rectangle square circle triangle characteristics 3-d shapes cuboids cubes cone spheres curved straight flat	sides corners properties pyramids faces	pentagon hexagon line of symmetry properties cylinder edges vertices vertex	right-angle triangle heptagon octagon polygon properties prism orientations angles acute angle obtuse angle turn right angles half turn $\frac{3}{4}$ of a turn greater than right angle less than right angle horizontal lines vertical lines perpendicular lines parallel line	isosceles equilateral scalene trapezium rhombus parallelogram kite geometric shapes quadrilaterals	regular polygon irregular polygon reflex angles degrees one whole turn angles on straight line angles around a point vertically opposite missing angles	radius diameter circumference dimensions



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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 anticlockwise straight line rotation arrange sequences		co-ordinates first quadrant grid translation plot polygon axis	reflection	our quadrants co-ordinate plane
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 problem difference problem calculate interpret	timetable two-way tables	pie chart mean
Ratio and proportion							relative size missing values integer multiplication percentages



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							scale factor unequal sharing and grouping
Algebra							formulae linear number sequences algebraically equation unknowns combinations variables