Springcroft Primary School
Mathematical Vocabulary Progression Map

This document is designed to assist with the teaching of vocabulary across EYFS, KS1 and KS2 and is aligned with the White Rose scheme of learning and 'Mastering Number'. This document identifies in which year group vocabulary should be explicitly taught and introduced. However, 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 instance) if necessary or as part of an activity. However, this document ensures coverage is progressive

	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	sort represent partition ones tens	count in steps multiples place value estimate compare	ascending descending order hundreds place holder 10 or 100 more 10 or 100 less	negative numbers Roman numerals 1000 more 1000 less thousands round	ten thousands hundred-thousands powers of integer	millions ten millions

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Addition and Subtraction	addition/add subtraction/ subtract plus altogether total take away/minus number bonds part whole digit	difference equals facts problems missing number problems 2-digit number inverse number sentence	sum 3-digit number commutative	column addition column- subtraction exchange estimate equation one-step problem two-step problem	4-digit number operations methods		
Multiplication and Division	double half twice as many equal unequal share group odd even	multiplication division arrays	commutative repeated addition times tables sharing grouping	exchange missing number problems multiples scaling problems derived facts inverse remainder	factor pairs formal method distributive law remainders product factor integer	prime numbers square numbers cube numbers short division dividend divisor quotient operations	long division

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Fractions, Decimals and Percentages		whole half quarter equal parts	three quarters third equivalent fractions unit fractions non-unit fractions numerator denominator one whole	(All fractions up to and including tenths) Amount	decimal equivalence hundredths convert proper fractions improper fractions mixed number decimal point	thousandths percent percentage integer complements	simplify
Measurement (Length, Perimeter and Area)	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 interval convert equal to	kilometres km rectilinear area	decimal notation scaling metric units imperial units inches compound shape irregular shape square centimetres square metres	conversion miles formulae parallelogram triangle feet

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Measurement (Mass, Capacity and Volume)	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 capacity quarter full three quarters full litres l millilitres ml temperature Celsius	volume scale interval division		cubic centimetre pounds pints	cubic metre cubic millimetre 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 digital clock roman numerals 12-hour clock 24-hour clock a.m/pm noon midday midnight leap year digital	convert		

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Measurement (Money)		money coins notes pounds £ pence p	value change				
Geometry – Properties of Shape	2-d shapes rectangle square circle triangle 3-d shapes cuboids cubes cone spheres curved straight flat characteristics	sides corners properties pyramids faces	pentagon hexagon line of symmetry properties cylinder edges vertices vertex	right-angle triangle heptagon octagon polygon prism orientations angles acute angle obtuse angle turn right angles half turn ¾ of a turn horizontal lines vertical lines perpendicular lines parallel lines	isosceles equilateral scalene trapezium rhombus parallelogram kite geometric shapes quadrilateral	regular irregular reflex angles degrees one whole turn 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 anti-clockwise straight-line rotation arrange sequences		co-ordinates first quadrant grid translation plot x axis y axis	reflection	four quadrants co-ordinate plane
Statistics			pictograms tally chart tally mark block diagram category sorting comparing horizontal vertical	table bar chart data	time graph discrete data continuous data line graph comparison problem sum problem difference calculate interpret	timetable two-way tables	pie chart mean
Ratio and Proportion							relative size missing values integer multiplication percentages scale factor

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Algebra							formulae linear number sequences algebraically equation combinations variables