

## Mathematical Vocabulary Progression Document

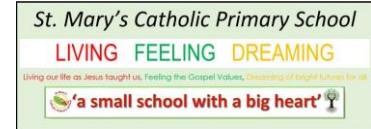
This document is designed to assist with the teaching of vocabulary across EYFS, KSI and KS2 and is aligned with the White Rose schemes of learning. This document identifies in which year group vocabulary should be explicitly taught and introduced. However, language should be revisited in subsequent year groups. Some vocabulary might be introduced earlier (shapes for instance) if necessary or as part of an activity, however this document ensures coverage is progressive.

	EYFS	KSI	LKS2	UKS2
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, 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, 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
Fractions/decimals/percentages		Whole, half, quarter, equal parts, three quarters, third, equivalent fractions, unit fractions, non-unit	Tenths, decimal, equivalence, hundredths, convert, proper fractions, improper fractions, decimal point	Fifth, thousandths, mixed numbers, percent, factors, integer, complements, per cent %

		fractions, numerator, denominator, one whole		
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, feet
Measurement (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, liters l, millilitres ml, temperature, celsius		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, roman numerals, 12/hour clock, 24-hour clock, a.m., pm., noon, midnight, leap year, digital, convert	
Measurement (money)		Money, coins, notes, pounds £, pence p, value, change		
Geometry - properties of shape	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, isosceles, equilateral, scalene, trapezium, rhombus, parallelogram, kite, geometric shapes, quadrilaterals, heptagon, octagon, polygon, properties, prism, orientations, angles, acute angle, obtuse angle, turn, right angles, half turn,	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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			<p><math>\frac{3}{4}</math> of a turn, greater than right angle, less than right angle, horizontal lines, vertical lines, perpendicular lines, parallel lines,</p>	
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, 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
Ration 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