



St. James' (C of E) Junior School

Maths Vocabulary Progression

** Please note: this document sets out EYFS- KS2 Maths vocabulary under the National Curriculum. Children may be exposed to these set words at an earlier time and there may be overlaps, however, where they have been placed in this table relates to when we would expect the children to understand and apply the words themselves independently. It is expected that key vocabulary is built upon each year and displayed on Maths Working Walls at appropriate times during the academic year, and promoted through mathematical talk in lessons. EYFS and KS1 vocabulary has been included in our Junior School Progression document to assist children with English as an additional language or those who are new to English*

EYFS

STRAND	NUMBER & PLACE VALUE	ADDITION & SUBTRACTION	MULTIPLICATION & DIVISION	MEASURE	GEOMETRY (POSITION & DIRECTION)	GEOMETRY (PROPERTIES OF SHAPE)	FRACTIONS	GENERAL/PROBLEM SOLVING
	number, zero, count on/back lots, more, few, fewer, compare, sort, order, before, after, less, many, most, the same as, ones, pair	add, more, altogether, takeaway, number line, one more, one less, equals, equal to, double, half, how many? make, total	times, counting in ones, twos, fives, tens, lots of, groups of, once, twice, five times, sharing, share, set, group, left, left over, times, counting in	days of the week, week, month, year, weekend, birthday, holiday, morning, afternoon, evening, night, midnight, bedtime, dinnertime, playtime, today, yesterday, tomorrow, before, after, next, last, now, soon, early, late, quick, fast, slow, old, new, watch, clock, always, never, first, size, weight, capacity, time, money, long, longer, longest, short, shorter, shortest, heavy, light, empty, full, tall, small, large, thick, thin, low, deep, ruler, far, near, holds, container, weigh, weighs coin, pound, pence, cost, money, penny, buy, sell, pay, price, how many?	position, distance, after, before, in, on, inside, under, on top of, behind, next to, above, below, top, bottom, side, outside, around, underneath, in, backwards, across, front, back, before, middle, up, down, forwards, close, far, along, to, from, slide, roll, turn, stretch, bend, move, position, distance,	shape, group, sort, round, flat, straight, make, build, draw, square, circle, triangle, cube, cuboid, sphere, shape	double, half whole, zero	listen, join in, say, think, imagine, remember, start from, start with, start at, look at, point to, put, place, fit, change, split, carry on, what comes next? find, choose, collect, use, make, build, tell me, colour, tick, cross, draw, pick out, talk about, explain, show me read, write, finish, copy, draw a line between, join (up), ring, arrow, cost, count, work out, answer, fill in, check, in order, every, each, add, more, altogether



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Maths Vocabulary Progression

Year 1

(+ repetition of EYFS vocabulary)

STRAND	NUMBER & PLACE VALUE	ADDITION & SUBTRACTION	MULTIPLICATION & DIVISION	MEASURE (TIME AND MONEY)	MEASURE (LENGTH, MASS & CAPACITY)	GEOMETRY (POSITION & DIRECTION)	GEOMETRY (PROPERTIES OF SHAPE)	FRACTIONS	GENERAL/PROBLEM SOLVING
	20-100, count (on/up/to/from/down), least, fewest, smallest, greater, lesser, equal to, odd, even, units, tens, ten more/less, digit, value, between, halfway, numeral, figure(s), compare (in) order/a different order, size, between, above, below	number bonds, addition, plus, sum, greater, inverse, near double, halve, is the same as, (including equals make..?, how, sign), difference between, how many more is...than..?, how much more is..? subtract, minus, how many fewer is...than..?, how much less is..?	odd, even, count in twos, fives, tens, (forwards from/backwards from), how many times?, multiple of, multiply, multiply share equally, by repeated addition, array, row, column, halve, group in pairs, threes, etc. equal groups of, divide, divided by	seasons, Spring, Summer, Autumn, Winter, quickest, quickly, faster, fastest, slower, slowest, slowly, older, oldest, newer, newest, takes longer, takes, less time, hour, o clock, half often, sometimes, past, hands, how long ago? how long will it be to...? How long will it take to...? usually, once, twice, second,third etc, estimate, close to, about the same as, just over/under, too many/few, not enough, enough, spend, spent, change, dear(er), costs more, costs less, cheaper, costs the same as, how much?	size, bigger, larger, length, width, height, depth, taller, tallest, high, higher, highest, wide, narrow, shallow, close, metre, metre stick, lighter, lightest, half full, balances, heavier, heaviest, scales	over, beside, opposite, apart, between, edge, centre, corner, direction, journey, left, right, sideways, movement, near, through, towards, away from, whole turn, half turn.	pyramid, cone, cylinder, curved, hollow, solid, corner, face, side, edge	whole, equal parts, one half, two halves, a quarter, two quarters	arrange, rearrange, change over, separate, continue, repeat, describe, explain, record, trace, complete, shade, same facts, same way, different number(s), missing number(s), different way, best way, another way, in a different order, not all



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Maths Vocabulary Progression

Year 2:

(+ repetition of previous vocabulary)

STRAND	NUMBER & PLACE VALUE	MULTIPLICATION & DIVISION	MEASURE	GEOMETRY (POSITION & DIRECTION)	GEOMETRY (PROPERTIES OF SHAPE)	FRACTIONS	STATISTICS	GENERAL/PROBLEM SOLVING
	numbers to one hundred, hundreds, partition, recombine, hundred more/less, represents, exchange	count in multiplies of 3	quarter past/to, fortnight, temperature (degrees) m/cm, g/kg, ml/l	rotation, clockwise, anticlockwise, straight line, ninety degree turn, right angle	smaller, symmetrical, line of symmetry, fold, match, mirror line, reflection, pattern, repeating pattern, vertices, vertex, pentagon, hexagon, octagon, circular, triangular, right angle	three quarters, one/a third, equivalence, equivalent	count, tally, sort, vote, graph, block graph, pictogram, represent, group, set, list, table, label, title most popular, most common, least popular, least common	predict, describe the pattern, describe the rule, find, find all, find different, investigate

Year 3:

(+ repetition of previous vocabulary)

STRAND	NUMBER & PLACE VALUE	ADDITION & SUBTRACTION	MULTIPLICATION & DIVISION	MEASURE	GEOMETRY (POSITION & DIRECTION)	GEOMETRY (PROPERTIES OF SHAPE)	FRACTIONS	STATISTICS
	numbers to 1,000	column addition and subtraction	count in multiples of 4, 8 and 11, product, scale up	leap year, twelve-hour/24-hour clock, am/pm, century, roman numerals I-XII, mm	greater/less than 90 degrees, orientation, different, degrees orientation, north, south, east, west	horizontal, vertical, perimeter, perpendicular and parallel lines, hemi-sphere, prism, semi-circle	fraction, numerator, denominator, unit fraction, non-unit, compare, order, tenths	chart, bar chart, frequency table, Carroll diagram, Venn diagram, axis, Axes diagram



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Maths Vocabulary Progression

Year 4:

(+ repetition of previous vocabulary)

STRAND	NUMBER & PLACE VALUE	MULTIPLICATION & DIVISION	MEASURE	GEOMETRY (POSITION & DIRECTION)	GEOMETRY (PROPERTIES OF SHAPE)	FRACTIONS	STATISTICS
	tenths, hundredths, numeral, decimal places, round (to the nearest), negative integers thousand more/less, count through zero, roman numerals I to C	count in multiples of 6, 7, 9, 12. inverse, derive, division facts	convert, noon	co-ordinates, translation, translate, quadrant, x-axis, y-axis	area, net, rectilinear adjacent, quadrilaterals: rhombus, parallelogram, trapezium, trapezoid, kite, heptagon, polygon, tetrahedron, polyhedron, cylindrical, triangles: isosceles, scalene right angle, acute angle, obtuse angles	equivalent fractions and decimals, decimal point, decimal fraction hundredths	continuous data, line graphs

Year 5:

(+ repetition of previous vocabulary)

STRAND	NUMBER & PLACE VALUE	MULTIPLICATION & DIVISION	MEASURE	GEOMETRY (PROPERTIES OF SHAPE)	FRACTIONS	STATISTICS
	powers of 10, numbers to 1,000,000, roman numerals I to M	count in multiples for all tables up to 12x12, factor pairs, composite numbers, prime numbers, prime factors, square number, cubed number	volume, concave, convex breadth, imperial units/metric units inches, pounds, pints, currency, ounce, tonne	reflex angles, dimensions regular/irregular polygons, octahedron	proper fractions, improper fractions, mixed numbers, percentage	average



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Year 6:
(+ repetition of previous vocabulary)

STRAND	NUMBER & PLACE VALUE	ADDITION & SUBTRACTION	MULTIPLICATION & DIVISION	ALEBRA, RATIO + PROPORTION	GEOMETRY (POSITION & DIRECTION)	GEOMETRY (PROPERTIES OF SHAPE)	FRACTIONS	STATISTICS
	numbers to 10,000,000		order of operations, common factors, common multiples, factorise	algebra, algebraically, express, ratio, proportion, linear, number of sequence, substitute, variables, symbol, known values	four quadrants	circumference, radius, diameter, arc, congruent, dodecahedron	degree of accuracy, simplify	mean, median, range, pie chart, construct