

## Maths – Vocabulary Progression Map

At Buckton Vale we have created a vocabulary progression map to highlight the words that we want children to become familiar with during each key stage. This is not intended as a test list but show the kind of language staff will expose the children to in order broaden pupils' Maths vocabulary and understanding. 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 and that previous mathematical language is revisited each year. This vocabulary will be displayed on our working walls at appropriate times during the academic year and promoted through mathematical talk in lessons.

Strand	Number and Place	Addition and Subtraction	Multiplication and	Measure	Geometry (position	Geometry (properties of shape)	Fractions	Reasoning and problem solving
<b>EYFS New Vocabulary</b>	number, zero 1-20 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	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 front, front, back, before, middle, up, down, forwards, backwards, across, close, far, along, to, from, slide, roll, turn, stretch, bend, move.	shape, group, sort, round, flat, straight, make, build, draw  square, circle, triangle, cube, cuboid, sphere	double, half, whole	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, pick out, talk about, explain, show me read, write, finish, copy, colour, tick, cross, draw, draw a line between, join (up), ring, arrow, cost, count, work out, answer, fill in, check, in order, every, each.

Strand	Place Value	Addition and Subtraction	Multiplication and	Measure	Geometry (position	Geometry (properties of shape)	Fractions	Statistics	Reasoning and problem solving
Key Stage 1 New Vocabulary	<p>20-100 count (on/up/to/from/ down), least, fewest, smallest, greater, lesser, equal to, odd, even, units, tens, ten more/less, digit, numeral, figure(s), compare (In) order/a different order, size, value, between, halfway between, above, below</p> <p>numbers to one hundred, hundreds, partition, recombine, hundred more/less, represents, exchange,</p>	<p>number bonds, addition, plus, sum, greater, inverse, near double, halve, is the same as, (including equals sign), difference between, how many more to make...?, how many more is...than..?, how much more is...? subtract, minus, how many fewer is...than..?, how much less is...?</p>	<p>odd, even, count in twos, fives, tens, (forwards from/backwards from), how many times? multiple of, multiply, multiply by repeated addition, array, row, column, halve, share equally, group in pairs, threes, etc. equal groups of, divide, divided by, count in multiples of 3</p>	<p>Seasons: Spring, Summer, Autumn, Winter, quicker, quickest, quickly, faster, fastest, slower, slowest, slowly, older, oldest, newer, newest, takes longer, takes less time, hour, o clock, half past, hands, how long ago? how long will it be to...? how long will it take to...? how often? often, sometimes, 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?</p> <p>quarter past/to, fortnight</p> <p>temperature (degrees)</p> <p>m/cm, g/kg, ml/l</p>	<p>over, besides, opposite, apart, between, edge, centre, corner, direction, journey, left, right, sideways, near, through, towards, away from, movement, whole turn, half turn, rotation, clockwise, anticlockwise, straight line, ninety degree turn, right angle.</p>	<p>pyramid, cone, cylinder. curved, hollow, solid, corner (point, pointed) face, side, edge. smaller, symmetrical, line of symmetry, fold, match, mirror line, reflection, pattern, repeating pattern, vertices, vertex. pentagon, hexagon, octagon, circular, triangular, right angle.</p>	<p>whole, equal parts, four equal parts, one half, two halves, a quarter, two quarters. three quarters, one third, a third, equivalence, equivalent.</p>	<p>count, tally, sort, vote, graph, block graph, pictogram, represent group, set, list, table label, title most popular, most common, least popular, least common.</p>	<p>arrange, rearrange, change over, separate, continue, repeat, describe, explain, record, trace, complete, shade, same number(s)/different number(s)/missing number(s) number facts, same way, different way, best way, another way, in a different order, not all. predict, describe the pattern, describe the rule, find, find all, find different, investigate.</p>

Strand	Number and Place	Addition and Subtraction	Multiplication and	Measure	Geometry (position)	Geometry (properties of shape)	Fractions	Statistics
Lower Key Stage 2 Vocabulary	numbers to 1,000, tenths, hundredths, numeral decimal places round (to nearest) thousand more/less negative integers count through zero roman numerals I to C	column addition and subtraction.	Count in multiples of 4,8 and 11, product ,scale up,count in multiples of 6,7,9 and 12, inverse, derive, division facts	leap year twelve-hour/24- hour clock, am/pm, century roman numerals I-XII  mm, convert, noon	greater/less than 90 degrees orientation (same orientation, different orientation), north, south, east, west,  co-ordinates translation, translate, quadrant x-axis, y-axis	horizontal, vertical, perpendicular and parallel lines. perimeter hemi-sphere, prism, semi-circle, area, net rectilinear adjacent quadrilaterals: (rhombus, parallelogram, trapezium, trapezoid, kite). heptagon, polygon, tetrahedron, polyhedron, cylindrical triangles (isosceles, scalene) right angle, acute angle, obtuse angles	numerator, denominator. unit fraction, non-unit fraction. compare and order. Tenths, equivalent fractions and decimals, decimal point, decimal fraction hundredths	chart, bar chart, frequency table, Carroll diagram, Venn diagram. axis, Axes diagram, continuous data line graphs

Strand	Place Value	Addition and Subtraction	Multiplication and	Measure	Algebra, Ratio and	Geometry (position)	Geometry (properties of shape)	Fractions	Statistics
Upper Key Stage 2 Vocabulary	powers of 10 numbers to 1,000,000 roman numerals I to M numbers to 10,000,000	order of operations	count in multiples for all tables up to 12x12 factor pairs composite numbers, prime numbers, prime factors, square number, cubed number, order of operations common factors, common multiples, factorise	volume, concave, convex breadth imperial units/metric units inches, pounds, pints, currency, ounce, tonne etc	algebra, algebraically express ratio proportion linear number of sequence substitute, variables, symbol, known values	four quadrants	reflex angles dimensions regular/irregular polygons, octahedron, circumference, radius, diameter, arc, congruent, dodecahedron	proper fractions, improper fractions, mixed numbers percentage, degree of accuracy simplify	average, mean, median, range pie chart construct