

## **Marlborough Primary Academy School** **MATHS Key Vocabulary**

It is crucial that children have explicit and robust instruction in vocabulary, **to support their verbal and written communication**. At Marlborough Primary Academy, we know that a good understanding of a wide range of vocabulary supports success across the whole curriculum. Therefore, children are regularly taught new vocabulary in all areas of the curriculum.

We know that vocabulary is developed in two ways:

- 1) Through indirect instruction; using rich reading experiences to grow vocabulary 'naturally'. Paying attention to context to work out meaning and using background knowledge.
- 2) Through direct 'robust' instruction. Good vocabulary instruction involves...
  - a. Decisions about which words to teach
  - b. Decisions about how to teach these words

Vocabulary learning at Marlborough is taught in a fun and active way across the curriculum. Each unit of learning within each subject has key vocabulary identified and taught.

Having key subject specific vocabulary gives our children cultural capital to be able to engage with the wider world as they move through life.

	<b>Willows Class</b>			<b>Maple Class</b>			<b>Sycamore Class</b>			<b>Beech Class</b>		
	<b>Term 1</b>	<b>Term 2</b>	<b>Term 3</b>	<b>Term 1</b>	<b>Term 2</b>	<b>Term 3</b>	<b>Term 1</b>	<b>Term 2</b>	<b>Term 3</b>	<b>Term 1</b>	<b>Term 2</b>	<b>Term 3</b>
2023-2024	match objects equal unequal order sets classify match compare size counting similar collection attribute beads identical related one two three pattern, colour, size, big,	One, two, three, four, five, six, seven, eight, nine, ten same, different, different, altogether, one more, one greater, one fewer, one less, increasing, decreasing, first, second, third, fourth, fifth, sixth, seventh, eighth, ninth, tenth, last, next, before, after,	groups of, each group, altogether, same, different, number, equal groups, pair, groups of two, bead string, is equal to, equal groups, same number, 0, 10, 20, 30, 40, 50, share, equal, unequal, same number, how many?	objects, sorted represent, count, group pairs, set amount represent numeral ten frame, one more, one less match, fewer less than, equal to, greater than zero, number track, number line. whole, parts, greater, zero, added, total, equals, =, addition sentence, plus, partition, altogether, bonds, same,	before, after, 'teen', greater than, less than, ten frame, same, different, numerals, digit, more than, less than, number line, start, end, label, mark, estimate, halfway, explain, greater, smaller, symbol, compare, groups, most, fewest, greatest, smallest	whole, parts, half, equal, split, total, equal groups, altogether, double, shaded, quarter, part, whole, larger, smaller, equal, unequal, equal parts, half, fraction bar, represent, fraction, denominator, quarter, third, numerator, greater than, less than, unit fractions,	How many? numerals, tens, ones, group, individually, place value chart, represent, digit, column, whole, parts, bundle, partition, part- whole model, intervals, number line, halfway, estimate, position, arrange, compare, greater, smaller, jumps, hundreds, zero value, represent, placeholder,	measurement, unit, length, Km, m, cm, mm, distance, convert, perimeter, twice, calculate, rectangle, horizontal, vertical, total, regular, polygon, decagon, irregular, symmetrical, divided, equal parts, 1/5, fifth, fraction, numerator, denominator, representation, mixed number, sequence, 1/6,	pounds, pence, hundreds, tens, ones, hundredths, tenths, decimal, notation, partition, digit, column, estimate, approximately, cost, exchange, change days, weeks, months, years, 12-hour, 24- hour, months, leap years, convert, second, minute, hour, interval, equal	patterns, number system, value, digit, column, exchanged, rounding, numerals, commas, one million, placeholders, power of 10, Gattegno chart, interval, ascending, descending, comparing. Halfway, multiple, partitioned, sum, multiples, strategies, compensation, adjustment,	relationship, sequence, upper number line, lower number line, additive, multiplicative, common factor, ratio, quantities, fraction, scale factor, enlarge, similar, function machine, input, output, inverse, x represent, expression, bar model, 4x mean?, total value, formula, a = number, equation, x and y, hundred	full, half, quarter, three- quarter turn, clockwise, anti-clockwise, right angles, 360, acute, obtuse, reflex, straight line, less than, greater than, degrees, scale, protractor, measure, estimate, millimetres, centimetres, inches, perimeter, compound shape, polygon, curved,

small, long, short, next, before, extend, count, one, two, how many, same, different One, two, three, four, five, six same different number names 1-6 counting numbers within first, next, before, after, more, fewer, greater, less zero, nothing, none part, whole, plus, altogether is equal to, subtract minus vertex, vertices, face, edge Over, under, above, below, top, bottom, side, on, in front, behind, front, back, beside, next to, between	between, time, season, month, day, calendar, week, Monday, Tuesday, Wednesday, Thursday, Friday, Saturday, Sunday first, next, last, before, after, morning, afternoon, evening, night-time then, count, longer, shorter, first, then, now, plus, is equal to, take away, double, altogether, how many, count, Half, equal, same, part-whole model number, number names 0 to 15, order, more, fewer, greater, less, same, equal, one more than, one greater than, number line, between, before, after, bead string, guess, check,	part, whole, plus, altogether, is equal to, first, then, now, plus, is equal to, subtract, minus, more, fewer, same, different, compare, greater than, less than, double, two equal parts, half, share between, full, nearly full, half full, empty, nearly empty, half empty, the same, heavy, heavier, heaviest, light, lighter, lightest, the same, weight, more, less, about, length, same, different, how long, longer, longest, short, shorter, shortest, length, compare, order, long, longer, longest, short, shorter,	different, subtraction sentence, taken away, jumps, land, adding, subtracting, missing number, plus, equals, number sentence, calculations, Rekenrek, add, subtract, partition, efficient, multiple, take away, multiple, hundred square, position, exchange, greater, smaller, increase, decrease, whole, parts, multiply, column, minus, hundreds, inverse, operations, written method, formal method, estimate, commutative, mental method, bar model 3-D shape, cube, cones, cylinders, roll, 2-D shapes, square, circle, 2-D shape, 3D shape, odd one out, cuboid, pyramid,	tally chart, gate, table, represent, most popular, least popular, groups of, block diagram, row. column, axis, symbol, sorting, category, information, pictogram, bar chart, values, vertical, horizontal, questions, coin, note, total value, altogether, denomination, amount, change, compare, same, total, difference, spend, money, difference, costs, pounds, pence, convert, partition, exchange, part-whole model. count, pairs, number line, number grid, equal groups of 2, digit, altogether, '5's', '10's', equal, unequal, number sentence, array, column, match, double, sharing, left over, equal, unequal, groups, same,	equivalent, three-quarters, pattern, diagram, divided equally, quarters, fifths, sixths, operation, morning, afternoon, evening, first, next, finally, yesterday, tomorrow, before, after, weekend, days, months, year, minutes, seconds, quicker, slower, clock, hand, pointing, face, half turn, hour, minute, clock, hand, half past, quarter past/to, three-quarters, quarter, seconds, noon, midnight, morning, afternoon, evening, Roman numerals, digital, analogue, am, pm, month, week, calendar, duration, slowest, fastest, Turn, quarter, half, position, quarter turn, direction,	intervals, 4-digit, thousands, hundreds, tens, ones, partition, part-whole model, columns, midpoint, estimate, compare, inequality symbols, ascending, descending, multiple, zero partition, ones, tens, hundreds, thousands, increase, decrease, changed, stayed the same, base 10, place value chart, concrete manipulatives, exchange, subtract, efficient, difference, multiple, inverse, commutative, multiple, digit sum, odd, even, equal groups, commutative, division, array, groups of, known facts, factors, pairs, arrays, factors, whole number, calculation, multiplication, division, placeholder, place value chart, dividing, one-tenth, compare,	sixth, 1/7, sevenths, partition, intervals, integers, previous, proper fractions, improper fractions, fractional part, equivalent, remainder, smaller part, fraction wall, tenths, whole, split, equal parts, number bond, hundredths, partition, decimal, zero, represent, compare, value, rounding, fraction, equivalent fraction	to, analogue, digital, duration, noon, midnight, am, pm, represent, data, scale, symbol, total, more than, less than, difference, horizontal, vertical, axis, estimate, plot, turn, full turn, half turn, quarter turn, three-quarter, direction, right, left, movement, forwards, backwards, squares, above, below, first, last, ordinal, position, horizontal, vertical, axis, x and y axis, coordinates, point, pair, value, straight, cross, lines, vertex, translation, left, right,	'line up', column method, division, estimate, rounding, approximate, operation, inverse, common multiples, factors, common factors, prime, square numbers, cube numbers, divisible, systematic, composite number, cubed, whole, parts, half, vertically, horizontally, diagonally, equal parts, total, shared, quarter, numerator, denominator, unit fraction, integer, multiplication, repeated addition, improper fraction, mixed number, partition, simplest form, kilograms, kilometres, kilo, grams, metres, litres, milli, centi, imperial, metric, approximately equal to, inches, pounds,	square, tenths, hundredths, number bonds, complements, thousandths, partitioning, decimal point, place value chart, exchange, position, zero, digit, efficient method, increasing, decreasing, multiply, divide, smaller, greater, round to, represent, place value, tenth, hundredth, difference, decimal number, fractions, decimals, equivalent, equal parts, partitioned, one whole, interval, number line, thousandth, ascending, descending, compare, column, systematically, greater, smaller, integers, halfway, 100%, denominator, factors, exchange, recurring, expressed, per cent, relationship, simplified, strategies, amount,	regular, irregular, faces, edges, vertices, 2D and 3D shapes, reflex, vertically opposite angles, interior, equilateral, isosceles, quadrilateral, parallelogram, radius, diameter, circumference, net. triangular prism, co-ordinate, grid, axis, x-co-ordinate, y-co-ordinate, point, translation, quadrant, horizontal, vertical, left, right, up, down, symmetrical, mirror, reflection, vertex A, pair of co-ordinates, second, third, fourth quadrant, hundred square, tenths, hundredths, number bonds, complements, partitioning, decimal point, place value chart, exchange,
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		share, ordinal, 1 <sup>st</sup> , 2 <sup>nd</sup> , 3 <sup>rd</sup> , 4 <sup>th</sup> , 5 <sup>th</sup> , 6 <sup>th</sup> , 7 <sup>th</sup> , 8 <sup>th</sup> , 9 <sup>th</sup> , 10 <sup>th</sup> , first, last, order, sequence, groups of, side, edge, vertex, vertices, curved, straight, sort, criteria, corner, square, circle, triangle, rectangle, pattern, next, same, different, flat face, face,	shortest, tall, taller, tallest, number names 0–20, more, fewer, order, one group of 10, numbers within 20, pattern, one more, one greater, one fewer, one less, before, after, between, 1 <sup>st</sup> , 2 <sup>nd</sup> , 3 <sup>rd</sup> , 4 <sup>th</sup> , 5 <sup>th</sup> , 6 <sup>th</sup> , 7 <sup>th</sup> , 8 <sup>th</sup> , 9 <sup>th</sup> , 10 <sup>th</sup> , first, last, order, twenty, thirty, forty, count on, one more than, one fewer/less than, estimate, check, greater than, share, equal, unequal	sphere, cube, cone, pentagons, circle, octagon, hexagon, triangle, square, side, straight, fewest, most, vertex, vertices, accurate, symmetrical, vertical line, mirror line, diagonal, rectangle, diagram, Venn diagram, face, curved, surface, edge, miscount, repeating pattern, direction, clockwise, anti-clockwise, fraction of a turn, starting point, right angles, half turn, acute, obtuse, greater than, less than, equal to, cms, mms, horizontal, parallel, perpendicular, quadrilateral, polygon, square-based,	altogether, addition, sentence, repeated addition, multiplication, symbol, represent, array, division, calculation, number track, grouping, sharing, double, halve, odd/even numbers, digit, column, pattern, strategy, longer, taller, shorter, objects, compare, length, height, measure, unit, start, end, 'cm', ruler, numbers, long, tall, cm, zero, height, length, tape measure, metre stick, m, longer, shorter, taller, perimeter, millimetre, centimetres, accurately, interval, shorter, longer, equivalent, unit, subtract, perimeter, curved edge, object, heavier, lighter, large, small, balance, scale, size, shape, scales	tangram, shape, left, right, backwards, forwards, above, below, top, bottom. Cylinder, circle, triangle, position, left, right, above, below, between, direction, backwards, forwards, half, quarter, clockwise, anti-clockwise, arrow, maze, dots, value, counters, represent, match, difference, coins, sorted, order, total value, highest, lowest, notes, total amount	original number, one-hundredth, size, efficient, part-whole model, exchange, efficient, shared equally, remainder, combinations,			stones, pints, seconds, minutes, hours, days, months, years, timetable, length, mass, capacity, volume,	perimeter, rectangle, square, length, measured, method, efficient, properties, rectilinear, sides, longer, shorter, regular, calculation, equal, area, width, multiply, split, approximate, estimate, part-covered, full square, factor pairs, formula, triangle, parallelograms, right-angled, perpendicular, base, height, cubes, layers, depth, cubic, cuboid, line graph, vertical, horizontal, axis, represent, information, points, solid, dashed line, intervals, multiples, read, summarise, direction, exact, estimate, column, row, headings, similar, different, units of measure, table, conclusion, timetable, journey, times, dual bar chart, bars, total, pie chart, choices,	position, zero, digit, efficient method, increasing, decreasing, multiply, divide, smaller, greater, round to, negative numbers, warmer, colder, smaller, greater, forwards, backwards, ascending, descending, order, kilo, kilogramme, kilometre, milli, millimetres, millilitres, equivalent, greatest, measuring, imperial, metric, appropriately equal to, division, time, timetable, minutes, hours, volume, cubic, centimetre, cubes, capacity, estimate,
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					balanced, mass, measure, container, full, empty, taller, wider, nearly empty, nearly full, volume, smallest to greatest, fill, capacity, volume heavier, lighter, balance scale, mass, greater, smaller, mass, capacity, kilograms, subtract, volume, capacity, liquid, container, estimate, bar model, temperature, thermometer, number line, mass, grams, capacity, volume,						popular, altogether, angle, sector, operation, mean,	
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