**Whole School Maths progression of Vocabulary**

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| **Generic maths vocabulary:**Digit, integer, number, answer, solution, solve, work out, systematic, group, share, sort, diagram, represent, pattern, relationship, rule, sequence, explain, correct, incorrect, true, false, agree, disagree, same, different, bar model, part-whole model, formal method, equal to, more, less, greater than, fewer, less than, largest, greatest, least, most, estimate, approximately. |

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|  | **Number – Place Value** | **Number – Addition and Subtraction** | **Number – Multiplication and Division** | **Number –** **Fractions** | **Measurement** | **Geometry –** **Shape** | **Geometry – Position and direction** | **Statistics** |
| **EYFS**  | Number; zero; numbers to 20; count, forwards, backwards; how many, more, fewer, equal, group; order, largest, smallest, less; even, odd. | One more, one less, altogether, how many are left? Same, different, number bond, part-whole, add, take-away,  | Double, half, halve, halving, pairs, twice as many, share, equal, unequal, group, left over | Half, halve, halving | Now, before, soon, later, after, next, fastest; time, yesterday, today, tomorrow, day, week, weekend,month, year; Days of the week: Monday, Tuesday, etc. Seasons: spring, summer, autumn, winter; birthday, holiday;Morning, afternoon, evening, night, midnight bedtime, dinner/lunch time, playtime;length, height, breadth, tall, short, long, tallest, shortest, longest, longer/shorter, taller/shorter, wider/narrower, weigh, weight, heavy, heavier, heaviest, light, lighter, lightest, balance | Shape, circle, triangle, rectangle, square, side, straight, curved, cylinder, cube, cuboid, cone, sphere, pyramid, face, same, different, pattern. | On, next to, over, under, around, through. |  |
| **Year 1** (as EYFS in addition to …) | Numbers to 100; place value; digit, integer; symbol; compare;equal to, more, less, greater than, fewer, less than, greatest, smallest;first, second, third…last;ones, tens, partition, exchange;order, largest, smallest, biggest, least, most. | Number bonds, part, whole; plus; fact family, addition sentence, number sentence; how many more; number line; commutative; addition,more, make, sum, total, add together, altogether; calculation;Inverse equals, is the same as (including equals sign); subtract, , subtraction, take away, minus;difference between, what is the difference?how many more?, how many less? how much more is? how many fewer is?, how much less is?  | How many altogether? How may are there?; groups, groups of, equal groups, unequal groups; row, column, array; number sentence; double, doubles; equal groups of 2, equal groups of 5, equal groups of 10; share, sharing, equally,odd, even, | Whole, parts, equal parts, the same; split; groups; share; equally; quarter; four equal parts One half, two halves A quarter, two quarters  | Length, measure, measuring; ruler, cm; mass; balance, scale; volume, full, half full, quarter full, empty; capacity; holds, Container; money; value; coin; note; amount; 1p, 2p, 5p, 10p, 20p, 50p, £1, £2, £5, £10; hour, o'clock, half past,clock, watch, hands; hour, minute, second; before, after next, last now, soon, early, late quick, quicker, quickest, quickly, fast, faster, fastest, slow, slower, slowest, slowly old, older, oldest, new, newer, newest  | Polygon, 2D, 3D, group, sort,corner (point, pointed) Face, side, edge Make, build, draw. | Turn, full, half, quarter, three quarter; direction; movement, move; position; left, right, up, down; top, bottom, middle, above, below, between; in front, behind.  |  |
| **Year 2** (as previous yr group and in addition to …) | 2-digit; base 10; pattern; sequence; Numbers to one hundred Hundreds Partition, recombine Hundred more/less  | Bar model; operation, inverse operation; column; exchange; bridge; method; | Times-table; facts; multiples; repeated addition; lots of; of; multiply; multiplied by; times; commutative; twos, fives, tens, threes; array; go into; divide, divide between, division, dividing; grouping, sharing; | Two quarters, three quarters, one third, two thirds; unit fraction, numerator, denominator, vinculum; equivalence, equivalent. | Change, total; distance; metres; g/kg; ml/l;temperature, thermometer, degrees Celsius, increase, decrease, warmer, colder; quarter past/to, 5 past, 10 past, twenty to etc, start, duration, end, interval, how long…? When did it start /end /finish…?, seconds; | Pentagon, hexagon, octagon, quadrilateral; prism; vertices, vertex; rotate;Symmetry, symmetrical, line of symmetry; horizontal, vertical;Fold; pattern, repeating pattern. | Direction, forwards, backwards; right angle; rotation, Clockwise, anticlockwise. | Count, tally, tally chart, table; data, represent, sort; pictogram, symbol; block diagram, axis; label, title, scale; most popular, most common, least popular, least common; Venn diagram, Carrol diagram. |
| **Year 3** (as previous yr group and in addition to …) | Numbers to one thousand; 3-digit; thousand; ascending, descending; | Column, column addition and subtraction; regroup; efficient; estimate. | Fours, eights; remainder; divisor, dividend, quotient. | Non-unit fraction;tenths, two tenths, three tenths etc; two thirds; fifth, sixth, ninth; decimal, decimal point;  | mm; perimeter; leap year; minutes past/to; a.m., p.m.; analogue, digital; twelve-hour /twenty-four- hour clock;Roman numerals I to XIII. | Parallel, perpendicular; surface; acute angle, obtuse angle. | North, South, East, West; angle, point, acute, obtuse; ninety degrees Orientation (same orientation, different orientation)  | Chart, bar chart; frequency table, Carroll diagram, Diagram  |
| **Year 4** (as previous yr group and in addition to …) | Numbers to ten thousand; Roman numerals to one hundred; round, nearest; approximately; negative, minus, count through zero; tenths, hundredths, 0.25, 0.5, 0.75.  | Formal method. | Sixes, sevens, nines; produce, poduct; associative law; commutativity; factor, factor pair; formal method; | Proper fraction, improper fraction, mixed number; hundredths; Gattegno chart. | Km; rectilinear; area, square centimetres; warmest, coldest. | Isosceles, scalene, equilateral; rhombus, parallelogram, trapezium; regular polygon; mirror line, reflect.  | Coordinates,translation, first quadrant,x-axis, y-axis.  | Continuous data, discrete data; line graph, x-axis, y-axis.  |
| **Year 5**(as previous yr group and in addition to …) | Numbers to a million; Roman numerals to one thousand;powers of 10.  | Place holder. | Common factor, prime number, composite number, prime factor, square number, cubed number; round up/down. | Common denominator; thousandth; simplify, simplified; convert; per cent, percentage, per hundred; | Imperial units, metric units, inches, lbs, pints; timetable; compound shape; volume, capacity, cm cubed/cubic cm. | Degrees, protractor, reflex angle; irregular polygon, dimensions; net. | Reflection, reflect. |  |
| **Year 6**(as previous yr group and in addition to …) | Numbers to ten million.Algebra:Function, input, output; algebra, algebraic, rule; expression; substitute; formula, formulae; equation; value, possible values, enumerate.  |  | Order of operations, BIDMAS;common multiple, lowest common multiple. | Cancel, highest common factor, common numerator. Ratio, proportion; for every\_there are\_, :(to); enlargement, scale factor. | Tonnes, ounces, stone, miles. | Vertically opposite (angles), internal angles;circumference, radius, diameter, centre.  | Four quadrants. | Mean, pie chart.  |