



## Maths Vocabulary at Milby



Vocabulary should be directly referred to on planning for the week, to ensure consistency across both classes.

This is the mathematical vocabulary that each year group should be introducing but it is expected that staff refer back to previous year groups to check they have the foundations of vocabulary before extending it.

### EYFS

| Mathematics: Number                                                                                                                                                                                                                                                                                                                                                                          | Mathematics: Shape, Space and Measure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
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| <p>Early Learning Goal Children count reliably with numbers from one to 20, place them in order and say which number is one more or one less than a given number. Using quantities and objects, they add and subtract two single-digit numbers and count on or back to find the answer. They solve problems, including doubling, halving and sharing.</p>                                    | <p>Early Learning Goal Children use everyday language to talk about size, weight, capacity, position, distance, time and money to compare quantities and objects and to solve problems. They recognise, create and describe patterns. They explore characteristics of everyday objects and shapes and use mathematical language to describe them.</p>                                                                                                                                                                                                             |
| <p>One, two, three, four, five, six, seven, eight, nine, ten, eleven, twelve, thirteen, fourteen, fifteen, sixteen, seventeen, eighteen, nineteen, twenty<br/>           Add, more than<br/>           Take away, subtract, less than<br/>           Count on<br/>           Count back<br/>           Double<br/>           Half<br/>           Share<br/>           One more, one less</p> | <p>Small, big<br/>           Full, empty, half full, half empty, nearly full, nearly empty<br/>           Heavy, light<br/>           In front, behind, next to, inside, on top, under<br/>           Furthest away, closest<br/>           O'clock<br/>           Monday, Tuesday, Wednesday, Thursday, Friday, Saturday, Sunday<br/>           1p, 2p, 5p, 10p, 20p<br/>           Till, cash point<br/>           Coin, card, notes<br/>           Pattern<br/>           Square, triangle, rectangle, circle<br/>           Cube, cuboid, pyramid, sphere</p> |

# Year 1

| Number and Place Value                                                                                                                                                                                                                                                                                                                                                                                              | Addition and Subtraction                                                                                                                                                                                                                                                                                                                                                                     | Multiplication and Division                                                                                                                                                                                                                                                                                                                                                                           | Measure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
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| Number<br>Zero, one, two, three to twenty, and beyond<br>None<br>Count (on/up/to/from/down)<br>Before, after<br>More, less, many, few, fewer, least, fewest, smallest, greater, lesser<br>Equal to, the same as<br>Odd, even<br>Pair<br>Units, ones, tens<br>Ten more/less<br>Digit<br>Numeral<br>Figure(s)<br>Compare<br>(In) order/a different order<br>Size<br>Value<br>Between, halfway between<br>Above, below | Number bonds, number line<br>Add, more, plus, make, sum, total, altogether<br>Inverse<br>Double, near double<br>Half, halve<br>Equals, is the same as (including equals sign)<br>Difference between<br>How many more to make..?, <i>how many more is...than...?</i> , how much more is..?<br>Subtract, take away, minus<br>How many <i>fewer</i> is... <i>than</i> ...?, how much less is..? | Odd, even<br>Count in twos, threes, fives<br>Count in tens (forwards from/backwards from)<br>How many times?<br>Lots of, groups of<br>Once, twice, three times, five times<br>Multiple of, times, multiply, multiply by<br>Repeated addition<br>Array, row, column<br>Double, halve<br>Share, share equally<br>Group in pairs, threes, etc.<br>Equal groups of<br>Divide, divided by, left, left over | Full, half full, empty<br>Weigh, weighs, balances<br>Heavy, heavier, heaviest, light, lighter, lightest<br>Scales<br>Time<br>Days of the week: Monday, Tuesday etc.<br>Seasons: Spring, Summer, Autumn, Winter<br>Day, week, month, year, weekend<br>Birthday, holiday<br>Morning, afternoon, evening, night, midnight<br>Bedtime, dinnertime, playtime<br>Today, yesterday, tomorrow<br>Before, after, next, last, now, soon, early, late<br>Quick, quicker, quickest, quickly, fast, faster, fastest, slow, slower, slowest, slowly<br>Old, older, oldest, new, newer, newest<br>Takes longer, takes less time<br>Hour, o'clock, half past, clock, watch, hands<br><i>How long ago?, how long will it be to...?, how long will it take to...?, how often?</i><br>Always, never, often, sometimes, usually<br>Once, twice<br>First, second, third, etc.<br>Estimate, close to, about the same as, just over, just under<br>Too many, too few, not enough, enough<br>Length, width, height, depth<br>Long, longer, longest, short, shorter, shortest, tall, taller, tallest, high, higher, highest<br>Low, wide, narrow, deep, shallow, thick, thin<br>Far, near, close<br>Metre, ruler, metre stick<br>Money, coin, penny, pence, pound, price, cost, buy, sell, spend, spent, pay, change, dear(er), costs more, costs less, cheaper, costs the same as<br>How much?, how many? |

| General/Problem Solving                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Geometry (Position and Direction)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Geometry (Properties of Shape)                                                                                                                                                                                                                           | Fractions                                                                                                    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| <p>Listen, join in, say, think, imagine, remember</p> <p>Start from, start with, start at</p> <p>Look at, point to</p> <p>Put, place, fit</p> <p>Arrange, rearrange</p> <p>Change, change over</p> <p>Split, separate</p> <p>Carry on, continue, repeat, what comes next?</p> <p>Find, choose, collect, use, make, build</p> <p>Tell me, describe, pick out, talk about, explain, show me</p> <p>Read, write, record, trace, copy, complete, finish, end</p> <p>Fill, shade, colour, tick, cross, draw, draw a line between, join (up), ring, arrow</p> <p>Count, work out, answer, check same number(s)/different number(s)/missing number(s)</p> <p>Number facts, number line, number track, number square, number cards</p> <p>Abacus, counters, cubes, blocks, rods, die, dice, dominoes, pegs, peg board</p> <p>Same way, different way, best way, another way</p> <p>In order, in a different order</p> <p>Not all, every, each</p> | <p>Position</p> <p>Over, under, underneath, above, below, top, bottom, side</p> <p>On, in, outside, inside</p> <p>Around, in front, behind</p> <p>Front, back</p> <p>Before, after</p> <p>Beside, next to,</p> <p>Opposite</p> <p>Apart</p> <p>Between, middle, edge, centre</p> <p>Corner</p> <p>Direction</p> <p>Journey</p> <p>Left, right, up, down, forwards, backwards, sideways</p> <p>Across</p> <p>Close, far, near</p> <p>Along, through</p> <p>To, from, towards, away from</p> <p>Movement</p> <p>Slide, roll, turn, whole turn, half turn</p> <p>Stretch, bend</p> | <p>Group, sort</p> <p>Cube, cuboid, pyramid, sphere, cone, cylinder, circle, triangle, square</p> <p>Shape</p> <p>Flat, curved, straight, round</p> <p>Hollow, solid</p> <p>Corner (point, pointed)</p> <p>Face, side, edge</p> <p>Make, build, draw</p> | <p>Whole</p> <p>Equal parts, four equal parts</p> <p>One half, two halves</p> <p>A quarter, two quarters</p> |

## Year 2

| Number and Place Value | Measure                             | Geometry (Position and Direction) | Geometry (Properties of Shape) | Fractions                          | Data/Statistics                                        | General/Problem Solving                 |
|------------------------|-------------------------------------|-----------------------------------|--------------------------------|------------------------------------|--------------------------------------------------------|-----------------------------------------|
| Numbers to one hundred | Quarter past/to<br>m/km, g/kg, ml/l | Rotation                          | Size                           | Three quarters, one third, a third | Count, tally, sort                                     | Predict                                 |
| Hundreds               | Temperature (degrees)               | Clockwise, anticlockwise          | Bigger, larger, smaller        | Equivalence, equivalent            | Vote                                                   | Describe the pattern, describe the rule |
| Partition, recombine   |                                     | Straight line                     | Symmetrical, line of symmetry  |                                    | Graph, block graph, pictogram,                         | Find, find all, find different          |
| Hundred more/less      |                                     | Ninety degree turn, right angle   | Fold                           |                                    | Represent                                              | Investigate                             |
|                        |                                     |                                   | Match                          |                                    | Group, set, list, table                                |                                         |
|                        |                                     |                                   | Mirror line, reflection        |                                    | Label, title                                           |                                         |
|                        |                                     |                                   | Pattern, repeating pattern     |                                    | Most popular, most common, least popular, least common |                                         |

## Year 3

| Number and Place Value  | Addition and Subtraction        | Multiplication and Division                     | Measure                             | Geometry (Position and Direction)                     | Geometry (Properties of Shape)                         | Fractions                        | Data/Statistics                    |
|-------------------------|---------------------------------|-------------------------------------------------|-------------------------------------|-------------------------------------------------------|--------------------------------------------------------|----------------------------------|------------------------------------|
| Numbers to one thousand | Column addition and subtraction | Product                                         | Leap year                           | Greater/less than ninety degrees                      | Horizontal, vertical, perpendicular and parallel lines | Numerator, denominator           | Chart, bar chart, frequency table, |
|                         |                                 | Multiples of four, eight, fifty and one hundred | Twelve-hour/twenty-four- hour clock | Orientation (same orientation, different orientation) |                                                        | Unit fraction, non-unit fraction | Carroll diagram,                   |
|                         |                                 | Scale up                                        | Roman numerals I to XIII            |                                                       |                                                        | Compare and order                | Venn diagram                       |
|                         |                                 |                                                 |                                     |                                                       |                                                        | Tenths                           | Axis, axes                         |
|                         |                                 |                                                 |                                     |                                                       |                                                        |                                  | Diagram                            |

**Year 4**

| Number and Place Value      | Multiplication and Division                                                           | Measure | Geometry (Position and Direction) | Geometry (Properties of Shape)       | Fractions and Decimals            | Data/Statistics |
|-----------------------------|---------------------------------------------------------------------------------------|---------|-----------------------------------|--------------------------------------|-----------------------------------|-----------------|
| Tenths, hundredths          | Multiplication facts (up to 12x12)<br><br>Division facts<br><br>Inverse<br><br>Derive | Convert | Coordinates                       | Quadrilaterals                       | Equivalent decimals and fractions | Continuous data |
| Decimal (places)            |                                                                                       |         | Translation                       | Triangles                            |                                   | Line graph      |
| Round (to nearest)          |                                                                                       |         | Quadrant                          | Right angle, acute and obtuse angles |                                   |                 |
| Thousand more/less than     |                                                                                       |         | x-axis, y-axis                    |                                      |                                   |                 |
| Negative integers, integers |                                                                                       |         | Perimeter and area                |                                      |                                   |                 |
| Count through zero          |                                                                                       |         |                                   |                                      |                                   |                 |
| Roman numerals (I to C)     |                                                                                       |         |                                   |                                      |                                   |                 |

**Year 5**

| Number and Place Value | Addition and Subtraction | Multiplication and Division                                                 | Measure                      | Geometry (Position and Direction) | Geometry (Properties of Shape) | Fractions, Decimals and Percentages                 |
|------------------------|--------------------------|-----------------------------------------------------------------------------|------------------------------|-----------------------------------|--------------------------------|-----------------------------------------------------|
| Powers of 10           | Efficient written method | Factor pairs                                                                | Volume                       | Reflex angle                      | Regular and irregular          | Proper fractions, improper fractions, mixed numbers |
|                        |                          | Composite numbers, prime number, prime factors, square number, cubed number | Imperial units, metric units | Dimensions                        | Polygons                       | Percentage                                          |
|                        |                          | Formal written method                                                       |                              |                                   |                                | Half, quarter, fifth, two fifths, four fifths       |

## Year 6

| Number and Place Value | Addition and Subtraction | Multiplication and Division                                 | Geometry (Position and Direction) | Geometry (Properties of Shape)                                      | Fractions, Decimals and Percentages                         | Algebra                                                                                     | Data/Statistics                        |
|------------------------|--------------------------|-------------------------------------------------------------|-----------------------------------|---------------------------------------------------------------------|-------------------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------------------------|
| Numbers to ten million | Order of operations      | Order of operations<br><br>Common factors, common multiples | Four quadrants (for coordinates)  | Vertically opposite (angles)<br><br>Circumference, radius, diameter | Degree of accuracy<br><br>Simplify<br><br>Ratio, proportion | Linear number sequence<br><br>Substitute<br><br>Variables<br><br>Symbol<br><br>Known values | Mean<br><br>Pie chart<br><br>Construct |