

# Foston CE, Terrington CE VA & Stillington Primary School in collaboration with Langton Primary School



## Vocabulary Map

# 'Love, Learn & Grow Together'



### Subject: Maths



### Subject Intent:

Children enjoy maths and develop an understanding of the importance and real world application of maths, beyond the classroom.  
 Children develop secure mathematical knowledge which will assist them in whichever future career path they take, as well as in their daily lives.  
 They gain secure knowledge of mathematical vocabulary and can recall number facts including times tables quickly and accurately.  
 They become fluent in performing both written and mental calculations.  
 They learn a range of strategies and skills to enable them to apply their mathematical knowledge to complete investigations, problem solving and reasoning tasks to deepen their mathematical understanding.  
 Children develop the ability to show initiative in solving problems in a wide range of contexts, reason, generalise and make sense of solutions.  
 Children can think independently, persevere when faced with new challenges and work effectively in collaboration with others.

| Topic area             | EYFS   |   | Y1  |  | Y2  |  | Y3                              |                 | Y4  |  | Y5  |                          | Y6                                     |                           |
|------------------------|--|---|---|--|---|--|---------------------------------|-----------------|---|--|---|--------------------------|--|---------------------------|
| Number and Place Value | Number, zero, one, two, three... to twenty, zero, ten, twenty, none, how many?<br>Count, more, less, many, few, pattern, pair, greater, more, larger, bigger, less, fewer, | smaller, greatest, most, biggest, largest, least, fewest, smallest, compare, order, size, first, last, before, after, next, between, half-way between, above / below. | more/less, digit, numeral, compare, order, size, value,       | between, halfway between, above, below, tens, ones               | Numbers to one hundred, hundreds, partition, recombine, more/less<br>Predict, find, | estimation place holder digit numeral<br>all, different, investigate | Numbers to one thousand numeral | Integer Decimal | Tenths, hundredths, decimal places, round (to nearest), thousand more/less than, negative integers, | count through zero, Roman numerals I to C<br>factor distributive associative | Powers of 10 Millions Roman numeral to 1000 (M) | Linear sequence<br>Prime | Numbers to ten million<br>Numbers to 3 | Interval<br>Decimal Place |
| Addition & Subtraction | Add, more, make, total, altogether, one more, Subtract, take (away),   | leave, how many are left? How many have gone? One less.   | Number bonds, number line, add, more, plus, make, sum, total, | altogether, inverse, double, near double, the same as (including | Commutative<br>Addend   | Minuend<br>Subtrahend  | Column addition and subtraction | Inverse         | distributive  | associative  | Efficient written method                        | Complement<br>Composite  | Order of operations                    | Multi-step                |

|                           |  |   |   |  |   |   |  |  |  |   |   |   |  |  |
|---------------------------|--|---|---|--|---|---|--|--|--|---|---|---|--|--|
|                           |  |   | equals, is between, subtract, take away, minus, split,  | equals sign), difference   |   |   |  |  |  |   |   |   |  |  |
| Multiplication & Division | umber patterns, doubling, count, answer sign, equal, sharing, share equally, one each, two each, group, shape,                       | whole, pattern, puzzle, count out, share out, left, same, number/s, different number/s  | Once, twice, three, five times, multiple of times, equal groups of, divide, divided by, left over   | Multiply, multiply by, repeated addition, array, row, column, double, halve, share, equally, group in pairs,   | Multiplication<br>Division<br>Multiple  | Times tables<br>Array   | Product, multiples of four, eight, fifty and one hundred,                        | Multiple<br>scale up   | Multiplication facts (up to 12x12),<br>division facts,                       | Remainder<br>Derive<br>inverse  | Factor pairs,<br>composite numbers,<br>prime number,<br>prime factors,      | Equivalence<br>square number,<br>cubed number,<br>formal written method | Common factors   | common multiples<br>long division                            |
| Measure                   | Measure, size, compare, guess, estimate, enough, too much, too little, too many, too few, long, short, tall, high, low, thick, thin, | full, half full, empty, holds, containers, money, coin, total, buy, morning, afternoon, evening, night, midnight, today, yesterday, tomorrow longer, shorter, taller, higher, | Time, days of the week, seasons, day, week, month, year, weekend, birthday, holiday, morning, afternoon, evening, night, midnight, today, bedtime, dinnertime, playtime, today, yesterday, tomorrow | 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 | Analogue<br>Clockwise<br>Anticlockwise<br>Quarter past/to, metres,<br>Centimetre<br>height<br>width | Grams<br>kilograms,<br>millimeters,<br>litres,<br>temperature<br>degrees<br>cost<br>price<br>amount<br>change | Leap year, twelve-hour/twenty-four-hour clock, Roman numerals I to XIII<br>Am/pm | Millimetre<br>Perimeter<br>Noon<br>Midnight<br>Analogue clock<br>Digital clock<br>Duration | Convert<br>Conversion<br>Dimensions<br>rectilinear                           | Area<br>Kilometer<br>24-hour<br>clock                                     | Volume,<br>imperial units,<br>metric units<br>imperial<br>inch foot<br>yard | pound<br>pint<br>cm2<br>cm3<br>m2<br>m3<br>mile                         | MM3<br>KM3<br>Speed<br>MPH<br>M/S                                    | Km/h<br>Scale factor<br>Proportion<br>Ratio<br>Relative size |
| Geometry                  | size, bigger, larger, flat, similar, smaller, repeating  | Shape, pattern, flat, curved straight, round, hollow, solid, corner,  | Before, after, beside, next to, opposite, apart, between, middle, vertices,   | backwards, sideways, across, close, far, near, along, through, to, from,   | Rotation, clockwise, anticlockwise, straight line, ninety degree turn, right angle                  | Size, bigger, larger, smaller, symmetrical, line of symmetry,   | Greater/less than ninety degrees, orientation (same orientation,                 | Right angle<br>Vertical<br>Right angle<br>Degrees<br>Quadrilateral lines                   | Co-ordinate, translate, quadrant, Xaxis, Y-axis, perimeter, area<br>Classify | Quadrilaterals, triangles, right, acute and obtuse angles<br>Plot<br>Grid | Reflex angle,<br>Dimensions<br>Reflex                                       | Regular and irregular polygons  | Vertically opposite (angles), circumference, radius, diameter<br>Net | Circumference<br>Radius<br>Diameter<br>Four quadrants        |

|                   |                                       |  |  |   |  |  |  |  |  |  |  |   |   |                              |
|-------------------|---------------------------------------|--|--|---|--|--|--|--|--|--|--|---|---|------------------------------|
|                   | pattern, match, differences           | point, pointed, sort, make, build, draw, 2d shapes, same | centre, corner, direction, journey, left, right, up, down, forwards, face, side, edge, make, build, draw | towards, away from, movement, slide, roll, turn, whole turn, half turn, stretch, bend<br>Corner (point, pointed), | reflection, pattern,   | fold, match, mirror line,                      | different orientation)<br>Horizontal, perpendicular<br>parallel        |  | Vertical<br>Horizontal<br>polygon                | Degrees<br>Isosceles<br>Equilateral<br>rhombus |  |   |   | (for coordinates)<br>Dissect |
| Fractions         | halve, equal, sharing, share equally, | one each, two each, group, cut, same as                  | Whole, equal parts, four equal parts, one half,  | two halves, a quarter, two quarters<br>bar  | quarters, thirds, equivalence  | Sharing<br>Grouping<br>equivalent              | Numerator, denominator<br>, unit fraction, non-unit fraction, compare, | order, tenths fifths<br>sixths<br>sevenths<br>eighths<br>ninths tenths | Equivalent<br>decimals<br>fractions<br>Hundredth | Proportion<br>Decimal<br>places                | Proper fractions, improper fractions, mixed numbers, percentage, | fifths, ratio, proportion<br>thousandth<br>half, quarter, | Degree of accuracy  | Simplify                     |
| Data & Statistics |                                       |  | Count, tally, sort, vote, graph, block graph, pictogram,   | list, table, label, title, popular, common set<br>represent, group,   | Count, tally, sort, vote, graph, block diagram, pictogram, represent, group, | pattern, rule, set, list, table, label, title, | Chart, bar chart, frequency table,                                     | Scale<br>Venn diagram, axis, axe                                       | Continuous data, line graph                      | Label  | Interpret Data   | Category Scale  | Mean, pie chart construct                                 | Data set<br>Average          |
| Algebra           | N/A                                   |  |  |   |  |  |  |  |  |  |  | Linear number sequence, substitute, variables, symbol,    | formula(e)<br>unknown constant<br>generalise known values |                              |