

# St Stephens Maths Vocabulary Progression Document



This document is designed to assist with the teaching of vocabulary across EYFS, Key Stage 1 and 2 and is aligned to the White Rose scheme of learning. This document identifies in which year group vocabulary should be explicitly taught and introduced. However, language should be revisited in subsequent year groups to ensure children are consolidating their learning.

**Number – Number and Place Value**

| <b>EYFS</b>     | <b>Year 1</b> | <b>Year 2</b>      | <b>Year 3</b>  | <b>Year 4</b>    | <b>Year 5</b>         | <b>Year 6</b>   |
|-----------------|---------------|--------------------|----------------|------------------|-----------------------|-----------------|
| count           | sort          | count in steps     | ascending      | negative numbers | ten thousands         | millions        |
| subitise        | represent     | count in multiples | descending     | roman numerals   | one hundred thousands | ten millions    |
| order           | multiples     | place value        | 10 or 100 more | 1000 more        | powers of             | interval        |
| compare         | partitioning  | estimate           | 10 or 100 less | 1000 less        | integer               | positive        |
| forwards        | ones          | compare            | hundreds       | thousands        | convert               | sequence        |
| backwards       | tens          | greater than       | exchange       | round            | equivalent            | linear sequence |
| numerals        | odd           | less than          |                | multiple         | compare               |                 |
| digit           | even          | digit              |                |                  |                       |                 |
| one more        | most          |                    |                |                  |                       |                 |
| one less        | least         |                    |                |                  |                       |                 |
| equal to        | ordering      |                    |                |                  |                       |                 |
| more than       | digit         |                    |                |                  |                       |                 |
| less than/fewer |               |                    |                |                  |                       |                 |
| the same as     |               |                    |                |                  |                       |                 |
| represent       |               |                    |                |                  |                       |                 |
|                 |               |                    |                |                  |                       |                 |

**Addition and Subtraction**

| <b>EYFS</b>     | <b>Year 1</b>   | <b>Year 2</b>  | <b>Year 3</b>      | <b>Year 4</b> | <b>Year 5</b> | <b>Year 6</b> |
|-----------------|-----------------|----------------|--------------------|---------------|---------------|---------------|
| add             | addition        | sum            | column addition    | operations    |               |               |
| plus            | subtraction     | 3-digit number | column subtraction | methods       |               |               |
| altogether      | difference      | exchange       | exchange           | efficient     |               |               |
| total           | equals          |                | estimate           | strategy      |               |               |
| take away/minus | fact family     |                | digits             | number facts  |               |               |
| number bonds    | inverse         |                | commutative        |               |               |               |
| part            | number sentence |                |                    |               |               |               |
| whole           | column          |                |                    |               |               |               |
| digit           | ten more        |                |                    |               |               |               |
| number sentence | ten less        |                |                    |               |               |               |
|                 | total           |                |                    |               |               |               |
|                 | ones            |                |                    |               |               |               |
|                 | tens            |                |                    |               |               |               |
|                 | bar model       |                |                    |               |               |               |
|                 | represent       |                |                    |               |               |               |
|                 |                 |                |                    |               |               |               |

**Multiplication and Division**

| <b>EYFS</b> | <b>Year 1</b> | <b>Year 2</b>         | <b>Year 3</b>           | <b>Year 4</b>         | <b>Year 5</b>  | <b>Year 6</b>       |
|-------------|---------------|-----------------------|-------------------------|-----------------------|----------------|---------------------|
| double      | arrays        | multiplication tables | exchange                | factor pairs          | multiples      | multi-digit numbers |
| half        | sorting       | repeated addition     | mathematical statements | formal written method | factors        | long division       |
| equal       | sharing       | multiplication        | missing number problems | distributive law      | prime numbers  |                     |
| unequal     | grouping      | division              | correspondence problems | remainders            | square numbers |                     |
| share       | lots of       |                       | derived facts           | dividend              | cube numbers   |                     |
| group       |               |                       | dividend                | divisor               | short division |                     |
| odd         |               |                       | divisor                 | quotient              | product        |                     |
| even        |               |                       | quotient                |                       | operations     |                     |
|             |               |                       | commutative             |                       |                |                     |
|             |               |                       | scaling                 |                       |                |                     |
|             |               |                       | repeated subtraction    |                       |                |                     |
|             |               |                       | bar model               |                       |                |                     |
|             |               |                       |                         |                       |                |                     |
|             |               |                       |                         |                       |                |                     |
|             |               |                       |                         |                       |                |                     |
|             |               |                       |                         |                       |                |                     |

**Fractions/Decimals/Percentages**

| <b>EYFS</b> | <b>Year 1</b> | <b>Year 2</b>        | <b>Year 3</b> | <b>Year 4</b>       | <b>Year 5</b>      | <b>Year 6</b>           |
|-------------|---------------|----------------------|---------------|---------------------|--------------------|-------------------------|
|             | whole         | three quarters       |               | decimal equivalence | thousandths        | highest common multiple |
|             | half          | third                |               | hundredths          | mixed numbers      | lowest common multiple  |
|             | quarter       | equivalent fractions |               | convert             | percent            | simplify                |
|             | equal parts   | unit fractions       |               | proper fractions    | factors            | decimal place           |
|             |               | non unit fractions   |               | improper fractions  | common numerator   | decimal fraction        |
|             |               | numerator            |               | decimal point       | common denominator | recurring decimal       |
|             |               | denominator          |               | integer             | simplest form      |                         |
|             |               | one whole            |               | quantities          |                    |                         |
|             |               |                      |               | tenths              |                    |                         |
|             |               |                      |               | fifths              |                    |                         |
|             |               |                      |               | sixths              |                    |                         |
|             |               |                      |               | sevenths            |                    |                         |
|             |               |                      |               | eighths             |                    |                         |
|             |               |                      |               | ninths              |                    |                         |
|             |               |                      |               | elevenths           |                    |                         |
|             |               |                      |               |                     |                    |                         |



| Algebra |        |        |        |        |        |                   |
|---------|--------|--------|--------|--------|--------|-------------------|
| EYFS    | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6            |
|         |        |        |        |        |        | term to term rule |
|         |        |        |        |        |        | variable          |
|         |        |        |        |        |        | unknown           |
|         |        |        |        |        |        | expression        |
|         |        |        |        |        |        | equation          |
|         |        |        |        |        |        | formulae          |
|         |        |        |        |        |        | one-step equation |
|         |        |        |        |        |        | two-step equation |
|         |        |        |        |        |        | substitution      |
|         |        |        |        |        |        | pairs of unknowns |
|         |        |        |        |        |        | algebraically     |
|         |        |        |        |        |        | combinations      |
|         |        |        |        |        |        |                   |
|         |        |        |        |        |        |                   |
|         |        |        |        |        |        |                   |
|         |        |        |        |        |        |                   |
|         |        |        |        |        |        |                   |



**Measurement (Height, Weight and Capacity)**

| <b>EYFS</b>            | <b>Year 1</b> | <b>Year 2</b>       | <b>Year 3</b>   | <b>Year 4</b> | <b>Year 5</b>    | <b>Year 6</b>    |
|------------------------|---------------|---------------------|-----------------|---------------|------------------|------------------|
| height                 | mass          | kilogram (kg)       | millimetre (mm) |               | cubic centimetre | cubic metre      |
| long(er)/short(er)     | volume        | gram (g)            |                 |               | pounds           | cubic millimetre |
| tall(er)/short(er)     |               | quarter full        |                 |               | pints            | cubic kilometre  |
| weight                 |               | three quarters full |                 |               | capacity         | gallons          |
| capacity               |               | litres (l)          |                 |               | volume           | stones           |
| heavy/light            |               | millilitres (ml)    |                 |               | centilitre       | ounces           |
| heavier than           |               | temperature         |                 |               |                  | feet             |
| lighter than           |               | celsius             |                 |               |                  | inch             |
| big/bigger/biggest     |               | centimetre (cm)     |                 |               |                  |                  |
| small/smaller/smallest |               | metre (m)           |                 |               |                  |                  |
| full/empty             |               |                     |                 |               |                  |                  |
| more than              |               |                     |                 |               |                  |                  |
| less than              |               |                     |                 |               |                  |                  |
| half/half full         |               |                     |                 |               |                  |                  |
|                        |               |                     |                 |               |                  |                  |
|                        |               |                     |                 |               |                  |                  |

**Measurement (Time)**

| <b>EYFS</b> | <b>Year 1</b>       | <b>Year 2</b>     | <b>Year 3</b>  | <b>Year 4</b> | <b>Year 5</b> | <b>Year 6</b> |
|-------------|---------------------|-------------------|----------------|---------------|---------------|---------------|
| time        | chronological order | intervals of time | analogue clock | convert       |               |               |
| quicker     | days of the week    | quarter past/to   | roman numerals |               |               |               |
| slower      | months of the year  | duration          | 12-hour clock  |               |               |               |
| earlier     | month               | five minutes      | 24-hour clock  |               |               |               |
| later       | year                | shorter           | a.m./p.m.      |               |               |               |
| before      | o'clock             | longer            | noon           |               |               |               |
| after       | half past           |                   | midnight       |               |               |               |
| first       | second              |                   | leap year      |               |               |               |
| next        | long hand           |                   | digital        |               |               |               |
| today       | short hand          |                   |                |               |               |               |
| yesterday   | minute hand         |                   |                |               |               |               |
| tomorrow    | hour hand           |                   |                |               |               |               |
| morning     |                     |                   |                |               |               |               |
| afternoon   |                     |                   |                |               |               |               |
| evening     |                     |                   |                |               |               |               |
| day         |                     |                   |                |               |               |               |
| week        |                     |                   |                |               |               |               |
| hour        |                     |                   |                |               |               |               |
| minutes     |                     |                   |                |               |               |               |



**Geometry – Properties of Shape**

| EYFS       | Year 1     | Year 2           | Year 3                     | Year 4                | Year 5                    | Year 6        |
|------------|------------|------------------|----------------------------|-----------------------|---------------------------|---------------|
| 2-d shapes | vertices   | pentagon         | heptagon                   | isosceles             | regular polygon           | radius        |
| rectangle  | vertex     | hexagon          | octagon                    | equilateral           | irregular polygon         | diameter      |
| square     | properties | line of symmetry | nonagon                    | scalene               | reflex angles             | circumference |
| circle     | pyramids   | properties       | decagon                    | trapezium             | degrees                   | dimension     |
| triangle   | faces      | cylinder         | polygon                    | rhombus               | one whole turn            |               |
| sides      | straight   | edges            | properties                 | parallelogram         | angles on a straight line |               |
| corners    | cylinders  | vertices         | prism                      | kite                  | angles around a point     |               |
| 3-d shapes |            | vertex           | orientations               | geometric shapes      | vertically opposite       |               |
| cuboids    |            | solid            | angles                     | quadrilaterals        | missing angles            |               |
| cubes      |            | curved surface   | acute angle                | two-dimensional shape |                           |               |
| cone       |            | round            | obtuse angle               | reflection            |                           |               |
| spheres    |            | vertical         | turn                       |                       |                           |               |
| curved     |            |                  | right angles               |                       |                           |               |
| straight   |            |                  | quarter turn               |                       |                           |               |
| flat       |            |                  | half turn                  |                       |                           |               |
| pattern    |            |                  | three quarters of a turn   |                       |                           |               |
|            |            |                  | greater than a right angle |                       |                           |               |
|            |            |                  | less than a right angle    |                       |                           |               |
|            |            |                  | horizontal lines           |                       |                           |               |
|            |            |                  | vertical lines             |                       |                           |               |

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|  |  |  |                     |  |  |  |
|--|--|--|---------------------|--|--|--|
|  |  |  | perpendicular lines |  |  |  |
|  |  |  | parallel lines      |  |  |  |

**Geometry (Position and Direction)**

| <b>EYFS</b> | <b>Year 1</b>      | <b>Year 2</b>  | <b>Year 3</b> | <b>Year 4</b>  | <b>Year 5</b> | <b>Year 6</b>     |
|-------------|--------------------|----------------|---------------|----------------|---------------|-------------------|
| over        | position           | clockwise      |               | co-ordinates   | reflection    | four quadrants    |
| under       | direction          | anti-clockwise |               | first quadrant | mirror line   | co-ordinate plane |
| between     | movement           | straight line  |               | grid           | horizontal    |                   |
| around      | whole turn         | rotation       |               | translation    | vertical      |                   |
| through     | quarter turn       | arrange        |               | plot           |               |                   |
| on          | half turn          | sequences      |               | polygon        |               |                   |
| into        | three-quarter turn | north          |               | vertex         |               |                   |
| next to     | left               | south          |               | vertices       |               |                   |
| behind      | right              | east           |               | x-axis         |               |                   |
| order       | forwards           | west           |               | y-axis         |               |                   |
| repeat      | backwards          |                |               |                |               |                   |
| patterns    | above              |                |               |                |               |                   |
| on top of   | below              |                |               |                |               |                   |
| in front of | ordinal numbers    |                |               |                |               |                   |
|             |                    |                |               |                |               |                   |
|             |                    |                |               |                |               |                   |

| Statistics |        |               |                  |                    |                |           |
|------------|--------|---------------|------------------|--------------------|----------------|-----------|
| EYFS       | Year 1 | Year 2        | Year 3           | Year 4             | Year 5         | Year 6    |
|            |        | pictograms    | bar chart        | time graph         | timetable      | pie chart |
|            |        | tally chart   | one-step problem | discrete data      | two-way tables | mean      |
|            |        | block diagram | two-step problem | continuous data    | label          |           |
|            |        | category      | symbol           | comparison data    | maximum value  |           |
|            |        | sorting       | horizontal axis  | frequency table    | minimum value  |           |
|            |        | totaling      | vertical axis    | line graph         | pattern        |           |
|            |        | comparing     | axes             | comparison problem | predict        |           |
|            |        | horizontal    | scale            | sum problem        | relationship   |           |
|            |        | vertical      | intervals        | difference problem | represent      |           |
|            |        | data          |                  | calculate          | survey         |           |
|            |        | interpret     |                  |                    | timetable      |           |
|            |        | key           |                  |                    | x-axis         |           |
|            |        | table         |                  |                    | y-axis         |           |
|            |        | sorting       |                  |                    |                |           |
|            |        |               |                  |                    |                |           |
|            |        |               |                  |                    |                |           |