

**Succeeding together - fostering a love of learning, within a nurturing Christian community, to bring out ‘the best in everyone’.**

**Mathematics Vocabulary Progression document (EYFS -Y6)**

This document is designed to assist with the teaching of vocabulary across EYFS, KS1 and KS2 and is aligned with the White Rose schemes 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 understanding. This document is fully editable so language can be moved into earlier or later year groups where necessary.

Some vocabulary might be introduced earlier (shapes for instance) if necessary or as part of an activity, however this document ensures coverage is progressive.

| **Number and Place Value** | | | | | | |
| --- | --- | --- | --- | --- | --- | --- |
| **EYFS** | **Year 1** | **Year 2** | **Year 3** | **Year 4** | **Year 5** | **Year 6** |
| count | **Same as EYFS, plus:** | **Same as EYFS & Year 1, plus:** | **Same as EYFS & KS1, plus:** | **Same as previous year groups, plus:** | **Same as previous year groups, plus:** | **Same as previous year groups, plus:** |
| subitise | sort | count in steps | ascending | negative numbers | ten thousands | millions |
| order/ordinal | represent | count in multiples | descending | roman numerals | one hundred thousands | ten millions |
| compare | multiples | place value | 10 or 100 more | 1000 more | powers of |  |
| forwards | partitioning | estimate | 10 or 100 less | 1000 less | integer |  |
| backwards | ones | compare | hundreds | thousands |  |  |
| numerals | tens |  |  | round |  |  |
| digit |  |  |  |  |  |  |
| one more |  |  |  |  |  |  |
| one less |  |  |  |  |  |  |
| equal to |  |  |  |  |  |  |
| more than |  |  |  |  |  |  |
| less than (fewer) |  |  |  |  |  |  |

**How can I say “I can’t’ when the Bible says: I can do everything through Him who gives me strength.’ Philippians 4:13**

| **Addition and Subtraction** | | | | | | |
| --- | --- | --- | --- | --- | --- | --- |
| **EYFS** | **Year 1** | **Year 2** | **Year 3** | **Year 4** | **Year 5** | **Year 6** |
| Add | **Same as EYFS, plus:** | **Same as EYFS & Year 1, plus:** | **Same as EYFS & KS1, plus:** | **Same as previous year groups, plus:** | **Same as previous year groups** | **Same as previous year groups** |
| Plus | Addition/add | Sum | Column addition | 4 digit number |  |  |
| Altogether | Subtraction | commutative | Column subtraction | Operations |  |  |
| Total | Difference | Equation | Exchange | methods |  |  |
| Take away | Equals | Number sentence | estimate |  |  |  |
| Minus | Facts |  |  |  |  |  |
| Number bonds | Problems |  |  |  |  |  |
| Part | Missing number |  |  |  |  |  |
| Whole | 2-digit number |  |  |  |  |  |
| Digit | inverse |  |  |  |  |  |
|  | addend |  |  |  |  |  |
|  | subtrahend |  |  |  |  |  |

| **Multiplication and Division** | | | | | | |
| --- | --- | --- | --- | --- | --- | --- |
| **EYFS** | **Year 1** | **Year 2** | **Year 3** | **Year 4** | **Year 5** | **Year 6** |
| double | **Same as EYFS, plus:** | **Same as EYFS & Year 1, plus:** | **Same as EYFS & KS1, plus:** | **Same as previous year groups, plus:** | **Same as previous year groups, plus:** | **Same as previous year groups, plus:** |
| half | multiplication | multiplication tables | exchange | factor pairs | multiples | multi-digit numbers |
| twice as many | division | commutative | mathematical statements | factors | factors | long division |
| equal | arrays | repeated addition | missing number problems | product | prime numbers |  |
| unequal |  |  | integer scaling problems | formal written layout | square numbers |  |
| share |  |  | correspondence problems | distributive law | cube numbers |  |
| group |  |  | derived facts | remainders | short division |  |
| odd |  |  |  |  | product |  |
| even |  |  |  |  | dividend |  |
|  |  |  |  |  | divisor |  |
|  |  |  |  |  | quotient |  |

| **Fractions, Decimals and Percentages** | | | | | | |
| --- | --- | --- | --- | --- | --- | --- |
| **EYFS** | **Year 1** | **Year 2** | **Year 3** | **Year 4** | **Year 5** | **Year 6** |
|  | whole | **Same as Year 1, plus:** | **Same as EYFS & KS1, plus:** | **Same as previous year groups, plus:** | **Same as previous year groups, plus:** |  |
| half | three quarters | tenths | decimal equivalence | fifth |
| quarter | third |  | hundredths | thousandths |
| equal parts | equivalent fractions |  | convert | mixed numbers |
|  | unit fractions |  | proper fractions | per cent % |
|  | non unit fractions |  | improper fractions | factors |
|  | numerator |  | decimal point | integer |
|  | denominator |  |  | complements |
|  | one whole |  |  |  |

| **Ratio and Proportion** | | | | | | |
| --- | --- | --- | --- | --- | --- | --- |
| **EYFS** | **Year 1** | **Year 2** | **Year 3** | **Year 4** | **Year 5** | **Year 6** |
|  |  |  |  |  |  | relative size |
| missing values |
| integer multiplication |
| percentages |
| scale factor |
| unequal sharing & grouping |

| **Algebra** | | | | | | |
| --- | --- | --- | --- | --- | --- | --- |
| **EYFS** | **Year 1** | **Year 2** | **Year 3** | **Year 4** | **Year 5** | **Year 6** |
|  |  |  |  |  |  | formulae |
| linear number sequences |
| algebraically |
| equation |
| unknowns |
| combinations |
| variables |

| **Measurement – Length** | | | | | | |
| --- | --- | --- | --- | --- | --- | --- |
| **EYFS** | **Year 1** | **Year 2** | **Year 3** | **Year 4** | **Year 5** | **Year 6** |
| measure | **Same as EYFS, plus:** | **Same as EYFS & Year 1, plus:** | **Same as EYFS & KS1, plus:** | **Same as previous year groups, plus:** | **Same as previous year groups, plus:** | **Same as previous year groups, plus:** |
| wide(er) | compare | standard units | millimetre mm | Kilometres | decimal notation | conversion |
| narrow(er) |  | estimate | perimeter | Rectilinear figure | scaling | miles |
| compare |  | order |  | area | metric units | formulae |
| long(er)(est) |  | record results |  |  | imperial units | parallelograms |
| short(er)(est) |  | centimetre cm |  |  | inches | triangles |
| length |  | metre m |  |  | compound shape | feet |
|  |  |  |  |  | irregular shapes |  |
|  |  |  |  |  | square centimetres |  |
|  |  |  |  |  | square metres |  |

| **Measurement – Height, Weight and Capacity** | | | | | | |
| --- | --- | --- | --- | --- | --- | --- |
| **EYFS** | **Year 1** | **Year 2** | **Year 3** | **Year 4** | **Year 5** | **Year 6** |
| height | **Same as EYFS, plus:** | **Same as EYFS & Year 1, plus:** | **Same as EYFS & KS1** |  | **Same as previous year groups, plus:** | **Same as previous year groups, plus:** |
| long(er)/short(er) | mass | kilogram kg |  | cubic centimetre | cubic metre |
| tall(er)/short(er) | volume | gram g |  | pounds | cubic millimetre |
| weight |  | quarter full |  | pints | cubic kilometre |
| capacity |  | three quarters full |  |  | gallons |
| heavy/light |  | litres l |  |  | stones |
| heavier than |  | millilitres ml |  |  | ounces |
| lighter than |  | temperature |  |  |  |
| big/bigger/biggest |  | Celsius |  |  |  |
| full/empty |  |  |  |  |  |
| more than |  |  |  |  |  |
| less than |  |  |  |  |  |
| half/half full |  |  |  |  |  |

| **Measurement - Time** | | | | | | |
| --- | --- | --- | --- | --- | --- | --- |
| **EYFS** | **Year 1** | **Year 2** | **Year 3** | **Year 4** | **Year 5** | **Year 6** |
| time | **Same as EYFS, plus:** | **Same as EYFS & Year 1, plus:** | **Same as EYFS & KS1, plus:** | **Same as previous year groups, plus:** | **Same as previous year group** | **Same as previous year group** |
| quicker | chronological order | intervals of time | analogue clock | convert |  |  |
| slower | days of the week | quarter past/to | roman numerals |  |
| earlier | months of the year | duration | 12-hour clock |  |
| later | month |  | 24-hour clock |  |
| before | year |  | a.m./p.m. |  |
| after | o’clock |  | noon |  |
| first | half past |  | midnight |  |
| next | second |  | leap year |  |
| today |  |  | digital |  |
| yesterday |  |  |  |  |
| tomorrow |  |  |  |  |
| morning |  |  |  |  |
| afternoon |  |  |  |  |
| evening |  |  |  |  |
| day |  |  |  |  |
| week |  |  |  |  |
| hour |  |  |  |  |
| minutes |  |  |  |  |

| **Measurement - Money** | | | | | | |
| --- | --- | --- | --- | --- | --- | --- |
| **EYFS** | **Year 1** | **Year 2** | **Year 3** | **Year 4** | **Year 5** | **Year 6** |
|  | money | **Same as Year 1, plus:** |  |  |  |  |
| coins | value |
| notes | change |
| pounds £ |  |
| pence p |  |

| **Geometry – Properties of Shape** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **EYFS** | **Year 1** | **Year 2** | **Year 3** | **Year 4** | **Year 5** | **Year 6** |
| 2-d shapes | **Same as EYFS, plus:** | **Same as EYFS & Year 1, plus:** | **Same as EYFS & KS1, plus:** | **Same as previous year groups, plus:** | **Same as previous year groups, plus:** | **Same as previous year groups, plus:** |
| rectangle | sides | pentagon | right-angle triangle | isosceles | regular polygon | radius |
| square | corners | hexagon | heptagon | equilateral | irregular polygon | diameter |
| circle | properties | line of symmetry | octagon | scalene |  | circumference |
| triangle | pyramids | properties | polygon | trapezium |  | dimensions |
| characteristics | faces | cylinder | properties | rhombus |  |  |
| 3-d shapes |  | edges | prism | parallelogram |  |  |
| cuboids |  | vertices | orientations | kite |  |  |
| cubes |  | vertex | angles | geometric shapes |  |  |
| cone |  |  | acute angle | quadrilaterals |  |  |
| spheres |  |  | obtuse angle |  | reflex angles |  |
| curved |  |  | turn |  | degrees |  |
| straight |  |  | right angles |  | one whole turn |  |
| flat |  |  | half turn |  | angles on straight line |  |
|  |  |  | three quarters of a turn |  | angles around a point |  |
|  |  |  | greater than right angle |  | vertically opposite |  |
|  |  |  | less than right angle |  | missing angles |  |
|  |  |  | horizontal lines |  |  |  |
|  |  |  | vertical lines |  |  |  |
|  |  |  | perpendicular lines |  |  |  |
|  |  |  | parallel lines |  |  |  |

| **Geometry – Position and Direction** | | | | | | |
| --- | --- | --- | --- | --- | --- | --- |
| **EYFS** | **Year 1** | **Year 2** | **Year 3** | **Year 4** | **Year 5** | **Year 6** |
| over | **Same as EYFS, plus:** | **Same as EYFS & Year 1, plus:** |  | **Same as previous year groups, plus:** | **Same as previous year groups, plus:** | **Same as previous year groups, plus:** |
| under | position | clockwise/ anti-clockwise | co-ordinates | reflection | four quadrants |
| between | direction | straight line | first quadrant |  | co-ordinate plane |
| around | movement | rotation | grid |  |  |
| through | whole turn | arrange | translation |  |  |
| on | quarter turn | sequences | plot |  |  |
| into | half turn |  | polygon |  |  |
| next to | three-quarter turn |  | axis |  |  |
| behind |  |  |  |  |  |
| beneath |  |  |  |  |  |
| order |  |  |  |  |  |
| repeat |  |  |  |  |  |
| patterns |  |  |  |  |  |
| on top of |  |  |  |  |  |

| **Statistics** | | | | | | |
| --- | --- | --- | --- | --- | --- | --- |
| **EYFS** | **Year 1** | **Year 2** | **Year 3** | **Year 4** | **Year 5** | **Year 6** |
|  |  | pictograms | **Same as EYFS & KS1, plus:** | **Same as previous year groups, plus:** | **Same as previous year groups, plus:** | **Same as previous year groups, plus:** |
| tally chart | table | time graph | timetable | pie chart |
| block diagram | bar chart | discrete data | two-way tables | mean |
| category | one-step problem | continuous data |  |  |
| sorting | two-step problem | line graph |  |  |
| totalling |  | comparison problem |  |  |
| comparing |  | sum problem |  |  |
| horizontal |  | difference problem |  |  |
| vertical |  | calculate |  |  |
|  |  | interpret |  |  |