

Mathematics Vocabulary
Progression Document

| Number - Number and Place Value |  |  |  |  |  |  |  |  |
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| EYFS | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 |  |  |
| count | sort | count in steps | ascending | negative numbers | ten thousands | millions |  |  |
| subitise | represent | count in multiples | descending | roman numerals | one hundred <br> thousand | ten millions |  |  |
| order/ordinal | 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 |  |  |  |
| backwards | tens | greater than | exchange | round | equivalent |  |  |  |
| 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 |  |  |  |  |  |  |  |  |


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


| Multiplication and Division |  |  |  |  |  |  |  |
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| EYFS | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 |  |
| double | multiplication | multiplication <br> tables | exchange | factor pairs | multiples | multi-digit numbers |  |
| half | division | commutative | mathematical <br> statements | formal written <br> method | factors | long division |  |
| twice as many | arrays | repeated addition | missing number <br> problems | distributive law | prime numbers |  |  |
| equal |  |  | integer scaling <br> problems | remainders | square numbers |  |  |
| unequal |  |  | correspondence <br> problems | dividend | cube numbers |  |  |
| share |  |  | derived facts | divisor | short division |  |  |
| group |  |  | quidend | quotient | product |  |  |
| odd |  |  |  |  | dividend | divisor |  |
| even |  |  |  |  | quotient |  |  |
|  |  |  |  |  | operations |  |  |
|  |  |  |  |  |  |  |  |
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| Fractions/Decimals/Percentages |  |  |  |  |  |  |  |
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| EYFS | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 |  |
|  | whole | three quarters | tenths | decimal <br> equivalence | fifth |  |  |
|  | half | third |  | hundredths | thousandths |  |  |
|  | quarter | equivalent fractions |  | convert | mixed numbers |  |  |
|  | equal parts | unit fractions |  | proper fractions | percent |  |  |
|  |  | non unit fractions |  | decimal point | integer |  |  |
|  |  | numerator |  |  | complements |  |  |
|  |  | denominator |  |  |  |  |  |
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| Ratio and Proportion |  |  |  |  |  |  |  | Year 6 |
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| EYFS | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | relative size |  |  |
|  |  |  |  |  |  | missing values |  |  |
|  |  |  |  |  |  | integer |  |  |
|  |  |  |  |  |  | multiplication |  |  |
|  |  |  |  |  |  | percentages |  |  |
|  |  |  |  |  |  | scale factor |  |  |
|  |  |  |  |  |  | unequal sharing |  |  |
|  |  |  |  |  |  | unequal grouping |  |  |
|  |  |  |  |  |  |  |  |  |
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| Algebra |  |  |  |  |  |  |
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| EYFS | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 |
|  |  |  |  |  |  | formulae |
|  |  |  |  |  |  | linear number sequences |
|  |  |  |  |  |  | algebraically |
|  |  |  |  |  |  | equation |
|  |  |  |  |  |  | unknowns |
|  |  |  |  |  |  | combinations |
|  |  |  |  |  |  | variables |
|  |  |  |  |  |  |  |
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| Measurement (Measure and Length) |  |  |  |  |  |  |  |
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| EYFS | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 |  |
| measure | compare | standard units | millimetre (mm) | kilometres (km) | decimal notation | conversion |  |
| wide(er) |  | estimate | perimeter | rectilinear figure | scaling | miles |  |
| narrow(er) |  | order |  | area | metric units | formulae |  |
| compare |  | record results |  |  | imperial units | parallelograms |  |
| long(er)(est) |  | centimetre (cm) |  |  | inches | triangles |  |
| short(er)(est) |  | metre (m) |  |  | square centimetres |  |  |
| length |  |  |  |  | square metres |  |  |
|  |  |  |  |  |  | feet |  |
|  |  |  |  |  |  |  |  |
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| Measurement (Height, Weight and Capacity) |  |  |  |  |  |  |  |
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| EYFS | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 |  |
| height | mass | kilogram (kg) |  |  | 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 |  |  | gallons |  |  |
| capacity |  | litres (l) |  |  | stones |  |  |
| heavy/light |  | millilitres (ml) |  |  | ounces |  |  |
| heavier than |  | temperature |  |  |  |  |  |
| lighter than |  |  |  |  |  |  |  |
| big/bigger/biggest |  |  |  |  |  |  |  |
| full/empty |  |  |  |  |  |  |  |
| more than |  |  |  |  |  |  |  |
| less than |  |  |  |  |  |  |  |
| half/half full |  |  |  |  |  |  |  |
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| Measurement (Time) |  |  |  |  |  |  |  |  | Year 5 | Y |
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| EYFS | Year 1 | Year 2 | Year 3 | Year 4 | Year |  |  |  |  |  |
| 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 |  | 24-hour clock |  |  |  |  |  |  |  |
| later | year |  | a.m./p.m. |  |  |  |  |  |  |  |
| before | o'clock |  | noon |  |  |  |  |  |  |  |
| after | half past |  | midnight |  |  |  |  |  |  |  |
| first | second |  | leap year |  |  |  |  |  |  |  |
| next |  |  |  |  |  |  |  |  |  |  |
| today |  |  |  |  |  |  |  |  |  |  |
| yesterday |  |  |  |  |  |  |  |  |  |  |
| tomorrow |  |  |  |  |  |  |  |  |  |  |
| morning |  |  |  |  |  |  |  |  |  |  |
| afternoon |  |  |  |  |  |  |  |  |  |  |
| evening |  |  |  |  |  |  |  |  |  |  |
| day |  |  |  |  |  |  |  |  |  |  |
| week |  |  |  |  |  |  |  |  |  |  |
| hour |  |  |  |  |  |  |  |  |  |  |
| minutes |  |  |  |  |  |  |  |  |  |  |


| EYFS | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 |
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|  | money | value |  |  |  |  |
|  | coins | change |  |  |  |  |
|  | notes |  |  |  |  |  |
|  | pounds $£$ |  |  |  |  |  |
|  | pence $p$ |  |  |  |  |  |
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| EYFS | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 |
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| 2-d shapes | sides | pentagon | right-angle triangle | isosceles | regular polygon | radius |
| rectangle | corners | hexagon | heptagon | equilateral | irregular polygon | diameter |
| square | properties | line of symmetry | octagon | scalene | reflex angles | circumference |
| circle | pyramids | properties | polygon | trapezium | degrees | dimensions |
| triangle | faces | cylinder | properties | rhombus | one whole turn |  |
| characteristics |  | edges | prism | parallelogram | angles on a straight line |  |
| 3-d shapes |  | vertices | orientations | kite | angles around a point |  |
| cuboids |  | vertex | angles | geometric shapes | vertically opposite |  |
| cubes |  |  | acute angle | quadrilaterals | missing angles |  |
| cone |  |  | obtuse angle |  |  |  |
| spheres |  |  | turn |  |  |  |
| curved |  |  | right angles |  |  |  |
| straight |  |  | half turn |  |  |  |
| flat |  |  | three quarters of a turn |  |  |  |
|  |  |  | greater than a right angle |  |  |  |
|  |  |  | less than a right angle |  |  |  |
|  |  |  | horizontal lines |  |  |  |
|  |  |  | vertical lines |  |  |  |


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


| Geometry (Position and Direction) |  |  |  |  |  |  |  |
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| EYFS | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 |  |
| over | position | clockwise |  | co-ordinates | reflection | four quadrants |  |
| under | direction | anti-clockwise |  | first quadrant |  | co-ordinate plane |  |
| between | movement | straight line |  | grid |  |  |  |
| around | whole turn | rotation |  | plot |  |  |  |
| through | quarter turn | arrange |  |  |  |  |  |
| on | half turn | sequences |  |  |  |  |  |
| into | three-quarter turn |  |  |  |  |  |  |
| next to |  |  |  |  |  |  |  |
| behind |  |  |  |  |  |  |  |
| beneath |  |  |  |  |  |  |  |
| order |  |  |  |  |  |  |  |
| repeat |  |  |  |  |  |  |  |
| patterns |  |  |  |  |  |  |  |
| on top of |  |  |  |  |  |  |  |


| Statistics |  |  |  |  |  |  |  |
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| EYFS | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 |  |
|  |  | pictograms | table | time graph | timetable | pie chart |  |
|  |  | tally chart | bar chart | discrete data | two-way tables | mean |  |
|  |  | block diagram | one-step problem | continuous data |  |  |  |
|  |  | category | two-step problem | line graph |  |  |  |
|  |  | sorting |  | comparison data |  |  |  |
|  |  | totalling |  | line graph |  |  |  |
|  |  | comparing |  | comparison |  |  |  |
|  |  | porizontal |  | sum problem |  |  |  |
|  |  |  |  | calculate |  |  |  |
|  |  |  |  |  |  |  |  |
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