Mathematics Curriculum Progression Map
Number: Number and Place Value

| EYFS |  | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\frac{3-4 \text { Year }}{\text { olds }}$ | Reception |  |  |  |  |  |  |
| Counting |  |  |  |  |  |  |  |
| Recite numbers past 5 | Count objects, actions and sounds | Count to and across 100, forwards and backwards, beginning with 0 or 1 , or from any given number |  |  | Count backwards through zero to include negative numbers | Interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through zero | Use negative numbers in context, and calculate intervals across zero |


| Say one number for each item in order: 1, 2, 3, 4, 5 | Count beyond 10 (count verbally beyond 20) | Count, read and write numbers to 100 in numerals; count in multiples of twos, fives and tens | Count in steps of 2,3 , and 5 from 0 , and in tens from any number, forward or backward | Count from 0 in multiples of 4,8 , 50 and 100 | Count in multiples of $6,7,9,25$ and 1000 | Count forwards or backwards in steps of powers of 10 for any <br> given number up to 1000000 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Understand the "one more/one less than" relationship between consecutive numbers | Given a number, identify one more and one less |  | Find 10 or 100 more or less than a given number | Find 1000 more or less than a given number |  |  |
| Comparing Numbers |  |  |  |  |  |  |  |
| Compare quantities using language: more than, fewer than | Compare numbers (more than, less than, fewer, the same as, equal to) | Use the language of: equal to, more than, less than (fewer), most, least | Compare and order numbers from 0 up to 100; use and = signs | Compare and order numbers up to 1000 | Order and compare numbers beyond 1000 <br> Compare numbers with the same number of decimal places up to two decimal places (cross reference Fractions: Decimals) | Read, write, order and compare numbers to at least 1000000 and determine the value of each digit (cross reference Reading and Writing Numbers) | Read, write, order and compare numbers up to 10000000 and determine the value of each digit (cross reference - Reading and Writing Numbers) |
| Identifying, Representing and Estimating Numbers |  |  |  |  |  |  |  |
| Develop fast recognition of up to 3 | Subitise <br> (showquantities of | Identify and represent numbers using | Identify, represent and estimate numbers | Identify, represent and estimate numbers | Identify, represent and estimate numbers |  |  |



| Reading and Writing Numbers (including Roman Numerals) |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Experiment with their own symbols and marks as well as numerals | Read and write numbers from 1 to 20 in numerals and words. | Read and write numbers to at least 100 in numerals and in words | Read and write numbers up to 1000 in numerals and in words <br> Children tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12hour and 24- hour clocks (cross reference - <br> Measurement: Time) | Read Roman numerals to 100 (I to C) and know that over time, the numeral system changed to include the concept of zero and place value. | Read, write, order and compare numbers to at least 1000000 and determine the value of each digit (cross reference - Comparing Numbers) Read Roman numerals to 1000 (M) and recognise years written in Roman numerals. | Read, write, order and compare numbers up to 10000000 and determine the value of each digit (cross reference Understanding Place Value) |
| Understanding Place Value |  |  |  |  |  |  |
|  | Children begin to recognise place value in numbers beyond 20 by reading, writing, counting and comparing | Recognise the place value of each digit in a two-digit number (tens, ones) | Recognise the place value of each digit in a three-digit number (hundreds, tens, ones) | Recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones) | Read, write, order and compare numbers to at least 1000000 and determine the value of each | Read, write, order and compare numbers up to 10000000 and determine the value of each |



|  |  |  |  |  | Fractions: Decimals) | decimal place (cross reference Fractions: Decimals) | reference Fractions) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Problem Solving |  |  |  |  |  |  |  |
| Solve real world mathematical problems with numbers up to 5 | Use place value and number facts to solve real word mathematical problems | Children practise counting, ordering and indicate a quantity, including solving simple concrete problems, until they are fluent | Use place value and number facts to solve problems | Solve number problems and practical problems <br> involving all the above objectives | Solve number and practical problems that involve all of the above and with increasingly large positive numbers | Solve number problems and practical problems that involve all of the above | Solve number and practical problems that involve all of the above objectives |

