# Evercreech CofE Primary School

## Maths Progression of Skills – Number and place value

| | EYFS | KS1 | | KS2 | | | |
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| | EYFS | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 |
| **Counting** | | | | | | | |
| | Count objects, actions and sounds.<br><br>Count beyond ten. | Count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number.<br><br>Count, read and write numbers to 100 in numerals; count in multiples of twos, fives and tens.<br><br>Given a number, identify one | 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;<br><br>Find 10 or 100 more or less than a given number. | Count backwards through zero to include negative numbers.<br><br>Count in multiples of 6, 7, 9, 25 and 1 000.<br><br>Find 1 000 more or less than a given number. | Interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through zero.<br><br>Count forwards or backwards in steps of powers of 10 for any given number | Use negative numbers in context, and calculate intervals across zero |

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| | | more and one less. | | | | up to 1 000 000. | |
| **Comparing numbers** | | | | | | | |
| | Compare quantities up to 10 in different contexts, recognising when one quantity is greater than, less than or the same as the other quantity. Compare numbers. | 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 from 0 up to 100; use <, > and = signs. | Order and compare numbers beyond 1 000.<br><br>Compare numbers with the same number of decimal places up to two decimal places (copied from Fractions) | Read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit (appears also in Reading and Writing Numbers. | Read, write, order and compare numbers up to 10 000 000 and determine the value of each digit (appears also in Reading and Writing Numbers). |
| **Identifying, representing, and estimating numbers** | | | | | | | |
| | Subitise.<br><br>Link the number symbol (numeral) with its cardinal number value. | Identify and represent numbers using objects and pictorial representations including the number line. | Identify, represent and estimate numbers using different representations, including the number line. | Identify, represent and estimate numbers using different representations. | Identify, represent and estimate numbers using different representations. | | |
| **Reading and writing numbers (inc. Roman numerals)** | | | | | | | |
| | n/a | Read and write numbers from 1 | Read and write numbers to at least 100 in numerals and in words. | Read and write numbers up to 1 000 in numerals and in words. | Read Roman numerals to 100 (I to C) and know that over time, | Read, write, order and compare numbers to at | Read, write, order and compare numbers up to |

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| | | to 20 in numerals and words. | | *tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks (copied from Measurement)* | the numeral system changed to include the concept of zero and place value. | least 1 000 000 and determine the value of each digit (appears also in Comparing Numbers). | 10 000 000 and determine the value of each digit (also in Understanding Place Value). |
| **Understanding place value** | | | | | | | |
| | Understand the 'one more than/one less than' relationship between consecutive numbers.<br><br>Explore the composition of numbers to 10. | 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)<br>*find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as units, tenths and hundredths (copied from Fractions)* | Read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit (appears also in Reading and Writing Numbers).<br>Recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents (copied from Fractions) | Read, write, order and compare numbers to at least 1, 000,000 and determine the value of each digit (appears also in Reading and Writing Numbers).<br>Recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents (copied from Fractions). | Read, write, order and compare numbers up to 10,000, 000 and determine the value of each digit (appears also in Reading and Writing Numbers)<br>*Identify the value of each digit to three decimal places and multiply and divide numbers by 10, 100 and 1 000 where the answers are up to three decimal places (copied from Fractions)* |

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| **Rounding** | | | | | | | |
| | n/a | n/a | n/a | n/a | Round any number to the nearest 10, 100 or 1 000.<br>*Round decimals with one decimal place to the nearest whole number (copied from Fractions)* | Round any number up to 1 000 000 to the nearest 10, 100, 1 000, 10 000 and 100 000.<br>*Round decimals with two decimal places to the nearest whole number and to one decimal place (copied from Fractions.* | Round any whole number to a required degree of accuracy.<br>*Solve problems which require answers to be rounded to specified degrees of accuracy (copied from Fractions).* |
| **Problem solving** | | | | | | | |
| | n/a | n/a | Use place value and number facts to solve problems | Solve number problems and practical problems involving these ideas. | 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. |