Maths Long Term Plan

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| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 |

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| Number and Place Value  Addition and Subtraction  Measurement  (numbers to 5) | Number and Place Value  Addition and Subtraction  Measurement  (numbers to 5) | Number and Place Value  Addition and Subtraction  Geometry  (numbers to 10) | Number and Place Value  Addition and Subtraction  Geometry  (numbers to 10) | Number and Place Value  Addition and Subtraction  Geometry  Multiplication and Division  Measurement  (numbers to 20) | Number and Place Value  Addition and Subtraction  Geometry  Multiplication and Division  Measurement  (numbers to 20) |

Year 1

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| **Place Value**  Numbers to 10  **Calculations**  Addition and subtraction to 10  **Shape**  Properties of shapes- 2D and 3D | **Shape**  Positions  **Place Value**  Numbers to 20  **Calculations**  Addition and subtraction to 20 | **Shape**  Properties of shapes- 2D and 3D  **Measurement**  Length and height | **Place Value**  Numbers to 40  **Calculations**  Addition and subtraction to 40  Multiplication- equal groups, doubles  Division-grouping and sharing equally | **Fractions**  Halves and Quarters  **Place Value**  Numbers to 100  **Measurement**  Time- to half hour  Money | **Measurement**  Volume and Capacity  Mass  **Shape**  Space |

Year 2

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| **Place Value**  Numbers to 100.  Number Bonds  Fact families | **Calculations**  Addition- 2 digit inc. renaming  Subtraction-2 digit inc. renaming  Multiplication- 2, 5, 10  **Calculations**  Division- 2,5,10  **Measurement**  Length | **Measurement-**  mass, temperature, picture graphs  **Fractions**- halves, quarters, thirds | **Shape**  2D Shapes  3D shapes  **Money** | **Time-** to 5 minutes | **Review and revisit topics** |

Year 3

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| **Place value**  Numbers to 1000 | **Calculations**  Addition- 3 digit inc. renaming  Subtraction-3 digit inc. renaming  Multiplication-3,4,8 and 2 digit numbers  Division- 2 digit numbers | **Measurement**  Length, mass, volume | **Measurement**  Money  Time-24 hour, measuring time  **Graphs**  Picture and bar | **Fractions**  Equivalent  Comparing  Simplifying | **Shape**  Angles and lines  **Measurement**  Perimeter |

Year 4

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| **Place Value**  Numbers to 10,000 | **Calculations**  Addition- to 10,000  Subtraction-to 10,000  Multiplication- 6,7,9,11, 12  **Roman Numerals** | Division- 6,7,9,11,12 with remainders  **Graphs**  Picture, bar, line | **Fractions**  Hundredths, equivalent, simplify, add and subtract  **Time**  24 hour  **Decimals**  Tenths, hundredths | **Measurement**  Money  Mass, volume, length  Area | **Shape**  Angles  Symmetry  Position and movement |

Year 5

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| **Place Value**  To 1,000,000 | **Calculations**  Addition- to 1,000,000  Subtraction-within 1,000,000  Multiplication- to 4 numbers  Division- by 4 numbers  **Graphs**  Tables and line graphs | **Fractions**  Equivalent, comparing, ordering, adding, subtracting, multiplying  **Decimals**  Comparing, adding, subtracting, rounding | **Percentages**  Finding percentages  **Shape**  Angles- measuring and drawing  Describing movements | **Measurement**  Length, mass, time,  temperature  Area and Perimeter | **Measurement**  Volume  **Roman Numerals** |

Year 6

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| **Place value**  To 10 million  **Four operations**  Addition- to 10,000,000  Subtraction- 10,000,000  Multiplication- 4 digit by 2 digit  Division- 4 digit by 2 digit  **Negative Numbers**  Calculating across zero  **Fractions**  Equivalent, comparing, ordering, adding, subtracting, multiplying mixed fractions and dividing  **Decimals**  Comparing, adding, subtracting, multiplying and rounding  **Percentages**  Finding percentages of amounts and comparing | **Ratio**  Solve problems with multiplying and division facts, scale factors and missing numbers  **Algebra**  Identifying rules, using formulae and missing numbers  **Geometry**  Draw 2D and 3D shapes, classify shapes, name parts of circle, recognise angles in shapes and on straight line.  **Measurements**  Length, mass and volume.  **Area and Perimeter**  Calculate area and perimeter of simple and complex shapes | **Translation and Reflection**  Describe position on with coordinates and translate simple shapes across planes.  **Statistics**  Reading and presenting data in range of graphs | **Sats practice** | **Sats practice**  **Open ended maths problems/ projects** | **Open ended maths problems/ projects** |