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 ValueAddition and SubtractionMeasurement (numbers to 5) | Number and Place ValueAddition and SubtractionMeasurement (numbers to 5) | Number and Place ValueAddition and SubtractionGeometry (numbers to 10) | Number and Place ValueAddition and SubtractionGeometry (numbers to 10) | Number and Place ValueAddition and SubtractionGeometryMultiplication and DivisionMeasurement (numbers to 20) | Number and Place ValueAddition and SubtractionGeometryMultiplication and DivisionMeasurement (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 40Multiplication- equal groups, doublesDivision-grouping and sharing equally | **Fractions**Halves and Quarters**Place Value**Numbers to 100**Measurement**Time- to half hourMoney | **Measurement**Volume and CapacityMass**Shape**Space |

Year 2

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| --- | --- | --- | --- | --- | --- |
| **Place Value** Numbers to 100.Number BondsFact families | **Calculations**Addition- 2 digit inc. renamingSubtraction-2 digit inc. renamingMultiplication- 2, 5, 10**Calculations**Division- 2,5,10**Measurement**Length | **Measurement-** mass, temperature, picture graphs**Fractions**- halves, quarters, thirds | **Shape**2D Shapes3D 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. renamingSubtraction-3 digit inc. renamingMultiplication-3,4,8 and 2 digit numbersDivision- 2 digit numbers | **Measurement**Length, mass, volume | **Measurement**MoneyTime-24 hour, measuring time**Graphs**Picture and bar | **Fractions**EquivalentComparingSimplifying  | **Shape**Angles and lines**Measurement**Perimeter |

Year 4

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Place Value**Numbers to 10,000 | **Calculations**Addition- to 10,000Subtraction-to 10,000Multiplication- 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**MoneyMass, volume, lengthArea | **Shape**AnglesSymmetryPosition and movement |

Year 5

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| --- | --- | --- | --- | --- | --- |
| **Place Value**To 1,000,000 | **Calculations**Addition- to 1,000,000Subtraction-within 1,000,000Multiplication- to 4 numbersDivision- 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 drawingDescribing movements | **Measurement**Length, mass, time,temperatureArea and Perimeter | **Measurement**Volume**Roman Numerals** |

Year 6

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| --- | --- | --- | --- | --- | --- |
| **Place value**To 10 million**Four operations** Addition- to 10,000,000Subtraction- 10,000,000Multiplication- 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** |