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|  | **Week 1** | **Week 2** | | **Week 3** | | **Week 4** | | **Week 5** | | | **Week 6** | | **Week 7** | | **Week 8** | **Week 9** | | **Week 10** | **Week 11** | | **Week 12** | **Week 13** | **Week 14** |
| **Aut** | Place Value | | | | | | Addition and Subtraction | | | | | | | | Area | Multiplication and Division A | | | | | Consolidation | Consolidation | Assessment Week |
| **Spr** | Multiplication and Division B | | | | Length and Perimeter | | | | | Fractions | | | | | | | Decimals A | | | | | Consolidation |  |
| **Sum** | Decimals B | | Money | | | | | | Time | | | Consolidation | | Shape | | | Statistics | | | Position and Direction | | Consolidation |  |

**Autumn Term:** **Breakdown of small steps across the year: Based on White Rose Maths Scheme of Learning**

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|  | **Autumn 1** | | | | | | | **Autumn 2** | | | | | | | |
|  | **Week 1** | **Week 2** | **Week 3** | **Week 4** | **Week 5** | **Week 6** | **Week 7** | **Week 8** | **Week 9** | **Week 10** | **Week 11** | **Week 12** | | **Week 13** | **Week 14** |
|  | **Place Value** | | | | **Addition and Subtraction** | | | **Area** | **Multiplication and Division A** | | | | **Consolidation** | **Consolidation** | **Assessment**  **Week** |
| **Small Steps (WRM)** | Represent numbers to 1,000  Partition numbers to 1,000  Number line to 1,000  Thousands | Represent numbers to 10,000  Partition numbers to 10,000  Flexible partitioning of numbers to 10,000  Find 1, 10, 100, 1,000 more or less | Number line to 10,000  Estimate a number line to 10,000  Compare numbers to 10,000  Order numbers to 10,000  Roman numerals | Round to the nearest 10  Round to the nearest 100  Round to the nearest 1,000  Round to the nearest 10, 100 or 1,000 | Add and subtract 1s, 10s, 100s and 1,000s  Add up to two 4-digit numbers – no exchange  Add two 4-digit numbers – one exchange | Add two 4-digit numbers – more than one exchange  Subtract two 4-digit numbers – no exchange  Subtract two 4-digit numbers - one exchange | Subtract two 4-digit numbers – more than one exchange  Efficient subtraction  Estimate answers  Checking strategies | What is area?  Count squares  Make shapes  Compare areas | Multiples of 3  Multiply and divide by 6  Times table and division facts  Multiply and divide by 9 | 9 times table and division facts  The 3, 6 and 9 times tables  Multiply and divide by 7  7-times table and division facts | 11-times table and division facts  12 times table and division facts  Multiply by 1 and 0  Divide a number by 1 and itself  Multiply three numbers |  | |  |  |
| **Supporting Resources** | **NCETM Spine:** 1.17 (count in 25s), 1.22, 1.27 (negative numbers) | | | | **NCETM Spine**: 1.22 (TP 3 add sub 1s,10s,100s,1000s and TP5). Refer back to 1.20 and 1.21 for introducing written methods. | | | **NCETM Spine:** 2.16 | **NCETM Spine:** 2.6 (TP5 for x ÷ 0 and 1), 2.8 (6x and 9x), 2.9 (7x), 2.13 (x ÷ 10,100) | | | |  |  |  |
| **Vocab** | Digit, tens, ones, hundreds, thousands, ten thousands, regrouping, compose, decompose, place holder, ascending, descending | | | | Addition, add, sum, plus, addend, commutative, associative, carry over, exchange, subtrahend, minuend, difference, minus, take away, column subtraction / addition | | | Area, square centimetre, estimate, partition, comparison | Multiply, product, factor, array, time, repeated addition, commutative, associative, distributive, divide, quotient dividend, divisor, remainder, equal group | | | |  |  |  |

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|  | **Week 1** | **Week 2** | | **Week 3** | | **Week 4** | | **Week 5** | | | **Week 6** | | **Week 7** | | **Week 8** | **Week 9** | | **Week 10** | **Week 11** | | **Week 12** | **Week 13** | **Week 14** |
| **Aut** | Place Value | | | | | | Addition and Subtraction | | | | | | | | Area | Multiplication and Division A | | | | | Consolidation | Consolidation | Assessment Week |
| **Spr** | Multiplication and Division B | | | | Length and Perimeter | | | | | Fractions | | | | | | | Decimals A | | | | | Consolidation |  |
| **Sum** | Decimals B | | Money | | | | | | Time | | | Consolidation | | Shape | | | Statistics | | | Position and Direction | | Consolidation |  |

**Spring Term:** **Breakdown of small steps across the year: Based on White Rose Maths Scheme of Learning**

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|  | **Spring 1** | | | | | | | | **Spring 2** | | | | | | | |
|  | **Week 1** | **Week 2** | **Week 3** | | **Week 4** | **Week 5** | **Week 6** | **Week 7** | **Week 8** | **Week 9** | | **Week 10** | **Week 11** | **Week 12** | **Week 13** | **Week 14** |
|  | **Multiplication and Division B** | | | **Length and Perimeter** | | | **Fractions** | | | | **Decimals A** | | | | **Consolidation** | **Assessment**  **Week** |
| **Small Steps (WRM)** | Factor pairs  Use of factor pairs  Multiply by 10  Multiply by 100  Divide by 10 | Divide by 100  Related facts  Informal written methods for multiplication  Multiply a 2-digit number by a 1-digit number  Multiply a 3-digit number by a 1-digit number | Divide a 2-digit number by a 1-digit number (1)  Divide a 2-digit number by a 1-digit number (2)  Divide a 3-digit number by a 1-digit number  Correspondence problems  Efficient multiplication | | Measure in Km an m  Equivalent lengths (Km & m)  Perimeter on a grid  Perimeter of a rectangle  Perimeter of rectilinear shapes | Find missing lengths in rectilinear shapes  Calculate the perimeter of rectilinear shapes  Perimeter of regular polygons  Perimeter of polygons | Understand the whole  Count beyond 1  Partition a mixed number  Number lines with mixed numbers | Compare and order mixed numbers  Understand improper fractions  Convert mixed numbers to improper fractions  Convert improper fractions to mixed numbers | Equivalent fractions on a number line  Equivalent fraction families  Add two or more fractions  Add fractions and mixed numbers | Subtract two fractions  Subtract from whole amounts  Subtract from mixed numbers | | Tenths as fractions  Tenths as decimals  Tenths on a place value chart | Tenths on a number line  Divide a 1-digit number by 10  Divide a 2-digit number by 10  Hundredths as fractions | Hundredths as decimals  Hundredths on a place value chart  Divide a 1- or 2-digit number by 100 |  |  |
| **Supporting Resources** | **NCETM Spine:** 2.10 (factor pairs), 2.11 (11x, 12x & efficient mult), 2.14 (multiplication) 2.15 (division) 2.12 (remainders) | | | | **NCETM Spine**: 2.16 | | **NCETM Spine:** May need to visit 3.0 (KS1 fractions) & Year 3 for intro. 3.4 (add and sub fractions) 3.7 (equiv - TP1 & TP2), 3.5 (be selective - show more than one whole in fractions, count on & back past 1, add & sub) | | | | | **NCETM Spine:** (Revisit 2.13 for ÷ 10 and 100), 1.23 (tenths, hundredths), 1.24 (mainly TP 1 and some of TP2) | | |  |  |
| **Vocab** | Multiply, product, factor, array, time, repeated addition, commutative, associative, distributive, divide, quotient dividend, divisor, remainder, equal group | | | | Length, width, height, distance, mm, cm, m, km, unit, estimate, metric, side, edge, rectangle, square, polygon | | Numerator, denominator, unit fraction, equivalent, mixed number, improper fraction, proper fraction, simplify, common denominator, lowest common multiple, whole, part | | | | | Decimals, decimal point, place value, tenths, hundredths, thousandths, rounding, equivalent | | |  |  |

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|  | **Week 1** | **Week 2** | | **Week 3** | | **Week 4** | | **Week 5** | | | **Week 6** | | **Week 7** | | **Week 8** | **Week 9** | | **Week 10** | **Week 11** | | **Week 12** | **Week 13** | **Week 14** |
| **Aut** | Place Value | | | | | | Addition and Subtraction | | | | | | | | Area | Multiplication and Division A | | | | | Consolidation | Consolidation | Assessment Week |
| **Spr** | Multiplication and Division B | | | | Length and Perimeter | | | | | Fractions | | | | | | | Decimals A | | | | | Consolidation |  |
| **Sum** | Decimals B | | Money | | | | | | Time | | | Consolidation | | Shape | | | Statistics | | | Position and Direction | | Consolidation |  |

**Summer Term:** **Breakdown of small steps across the year: Based on White Rose Maths Scheme of Learning**

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|  | **Summer 1** | | | | | | | **Summer 2** | | | | | | |
|  | **Week 1** | **Week 2** | **Week 3** | **Week 4** | **Week 5** | **Week 6** | **Week 7** | **Week 8** | **Week 9** | **Week 10** | **Week 11** | **Week 12** | **Week 13** | **Week 14** |
|  | **Decimals B** | | **Money** | | **Time** | | **Consolidation** | **Shape** | | **Statistics** | **Position and Direction** | | **Consolidation** | **Assessment**  **Week** |
| **Small Steps (WRM)** | Make a whole with tenths  Make a whole with hundredths  Partition decimals  Flexibly partition decimals | Compare decimals  Order decimals  Round to the nearest whole number  Halves and quarters s decimals | Write money using decimals  Convert between pounds and pence  Compare amounts with money | Estimate with money  Calculate with money  Solve problems with money | Years, months, weeks and days  Hours, minutes and seconds  Convert between analogue and digital time | Convert to the 24-hour clock  Convert from the 24 hour clock |  | Understand angles as turns  Identify angles  Compare and order angles  Triangles | Quadrilaterals  Polygons  Lines of symmetry  Compare a symmetric figure | Interpret charts  Comparison, sum and difference  Interpret line graphs  Draw line graphs | Describe position and direction  Plot coordinates  Draw 2-D shapes on a grid | Translate on a grid  Describe translation on a grid |  |  |
| **Supporting Resources** | **NCETM Spine:** 1.24 (TP2, TP7) | | **NCETM Spine:** 1.22 (TP 4 estimate money) 1.25 | |  | |  |  | |  | **NCETM Spine:** 1.27 TP 6 | |  |  |
| **Vocab** | Decimals, decimal point, place value, tenths, hundredths, thousandths, rounding, equivalent | | Currency, pence, pound, conversion, estimate, decimal | | Time, clock, analogue clock, digital clock, hour, minute, second, A.M., P.M., noon, midnight. | |  | Geometry, polygon, triangle, equilateral, isosceles, scalene, right, square, rhombus, parallelogram, trapezium, pentagon, heptagon, hexagon, octagon, circle | | Data  Survey  Category  Sample  Population  Questionnaire | Coordinate  Grid  X axis  Y axis  Quadrant | |  |  |

square