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| **AUTUMN 1** | | | | | | | |  | **AUTUMN 2** | | | | | | |
| **Wk1**  **2.9** | **Wk2**  **9.9** | **Wk3**  **16.9** | **Wk4**  **23.9** | **Wk5**  **30.9** | **Wk6**  **7.10** | **Wk7**  **14.10** | **Wk8**  **21.10** | **HALF TERM** | **Wk9**  **4.11** | **Wk10**  **11.11** | **Wk11**  **18.11** | **Wk12**  **25.11** | **Wk13**  **2.12** | **Wk14**  **9.12** | **Wk15**  **16.12** |
| Basic skills/ Times tables | Number: Place Value | | Number: Addition, Subtraction, Multiplication & Division | | | | | Number: Fractions | | | | Geometry: Properties of Shape | | Geometry: Position & Direction |

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| **NC OBJECTIVES** |
| **Place Value** |
| Read, write, order & compare numbers up to 10 000 000 & determine the value of each digit |
| Round any whole number to a required degree of accuracy |
| Use negative numbers in context, & calculate intervals across zero |
| Solve number & practical problems that involve all of the above. |
| **Addition, Subtraction, Multiplication & Division** |
| Solve addition & subtraction multi-step problems in contexts, deciding which operations & methods to use and why |
| Multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication |
| Divide numbers up to 4 digits by a two-digit whole number using the formal written method of long division, & interpret remainders as whole number remainders, fractions, or by rounding, as appropriate for the context |

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| **NC OBJECTIVES** |
| **Number: Fractions** |
| Use common factors to simplify fractions; use common multiples to express fractions in the same denomination |
| Compare and order fractions, including fractions > 1 |
| Generate and describe linear number sequences with fractions |
| Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions |
| Multiply simple pairs of proper fractions, writing the answer in its simplest form [for example, 1/4 × 1/2 = 1/8 ] |
| Divide proper fractions by whole numbers [for example, 1/3 ÷ 2 = 1/6 ] |
| Associate a fraction with division and calculate decimal fraction equivalents [for example, 0.375] for a simple fraction [for example, 3/8 |
| Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts. |

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| **NC OBJECTIVES** |
| **Addition, Subtraction, Multiplication & Division (cont)** |
| Divide numbers up to 4 digits by a two-digit number using the formal written method of short division where appropriate, interpreting remainders according to the context |
| Perform mental calculations, including with mixed operations and large numbers |
| Identify common factors, common multiples and prime numbers |
| Use their knowledge of the order of operations to carry out calculations involving the four operations |
| Solve problems involving addition, subtraction, multiplication and division |
| Use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy. |

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| **NC OBJECTIVES** | |
| **Geometry : Properties of Shape** | **Coverage** |
| Draw 2-D shapes using given dimensions and angles |  |
| Compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons |  |
| Recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles. |  |
| **Geometry : Position & Direction** | **Coverage** |
| Describe positions on the full coordinate grid (all four quadrants) |  |
| Draw and translate simple shapes on the coordinate plane, and reflect them in the axes. |  |