



## Maths Curriculum Year 4 : Summer 2 Medium Term Planning

| W                        | Title   | Curriculum objective  |
|--------------------------|---|---|
| 1                        | <b>Calculations: Number</b><br>Mental calculations  | <p>To estimate and use inverse operations to check answers to a calculation.</p> <p>To solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.</p> <p>To recall multiplication and division facts for multiplication tables up to <math>12 \times 12</math>.</p> <p>To recognise and use factor pairs and commutativity in mental calculations.</p> <p>To solve problems involving multiplying and adding, including using the distributive law and harder multiplication problems such as which n objects are connected to m objects.</p>  |
| 2                        | <b>Measures</b><br>Measures   | <p>To convert between different units of measure (kilometre to metre; hour to minute).</p> <p>To measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres.</p> <p>To find the area of rectilinear shapes by counting.</p> <p>To estimate, compare and calculate different measures, including money in pounds and pence.</p> <p>To read, write and convert time between analogue and digital 12- and 24-hour clocks.</p> <p>To solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days.</p>  |
| 3                        | <b>Calculations: Addition and Subtraction</b><br>written addition and subtraction               | <p>To add and subtract numbers with up to four digits using the efficient written methods of columnar addition and subtraction where appropriate.</p> <p>To estimate and use inverse operations to check answers to a calculation.</p> <p>To solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.</p>  |
| 4                        | <b>Calculations: Addition and Subtraction</b><br>Mental and written multiplication and division | <p>To recall multiplication and division facts for multiplication tables up to <math>12 \times 12</math>.</p> <p>To use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers.</p> <p>To recognise and use factor pairs and commutativity in mental calculations.</p> <p>To multiply two-digit and three-digit numbers by a one-digit number using formal written layout.</p> <p>To solve problems involving multiplying and adding, including using the distributive law and harder multiplication problems such as which n objects are connected to m objects.</p> |
| 5                        | <b>Geometry of Shape</b><br>2D shapes, angles and coordinates                                   | <p>To compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes.</p> <p>To identify acute and obtuse angles and compare and order angles up to two right angles by size.</p> <p>To identify lines of symmetry in 2D shapes presented in different orientations.</p> <p>To describe positions on a 2D grid as coordinates in the first quadrant.</p> <p>To describe movements between positions as translations of a given unit to the left/right and up/down.</p> <p>To plot specified points and draw sides to complete a given polygon.</p>  |
| 6                        | <b>Statistics</b><br>using data   | <p>To interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs.</p> <p>To solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and simple line graphs.</p>   |
| <b>Assess and review</b> |   | To assess and review the half-term's work.  |