

## Maths Key Performance Indicators – Moon Class

|                    | Strand                              | Sub-strand   | Progression statement  |
|--------------------|-------------------------------------|--|--|
| <b>Number</b>      | Number and place value              | Count  | Count in tens from any number, forward and backward  |
|                    |                                     |  | Count in steps of 2, 3, and 5 from 0, forward and backward   |
|                    |                                     | Represent numbers  | Read, write and recognise the place value of each digit in a two-digit number (tens, ones)   |
|                    |                                     | Order and Compare  | Compare and order numbers from 0 up to 100; use <, > and = signs   |
|                    |                                     | Solve number problems  | Solve number problems with number facts and place value from the Year 2 curriculum   |
|                    | Calculation                         | Calculate Mentally   | Use addition and subtraction facts to 20 and derive related facts up to 100  |
|                    |                                     |  | Calculate mentally using multiplication and division facts for the 2, 5 and 10 multiplication tables   |
|                    |                                     | Solve calculation problems   | Solve problems with addition and subtraction using concrete objects and pictorial representations, including those involving numbers, quantities and measures; applying their increasing knowledge of mental and written methods |
|                    |                                     |  | Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts  |
|                    |                                     | Recall   | Recall multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers   |
|                    | Use written calculation             | Record addition and subtraction in columns using an expanded format involving partitioning   |  |
|                    | Fractions, decimals and Percentages | Understand FDP   | Recognise, find, name and write fractions $\frac{1}{3}$ and $\frac{1}{4}$ of a length, shape, set of objects or quantity   |
|                    |                                     |  | Recognise, find, name and write fractions $\frac{2}{4}$ and $\frac{3}{4}$ of a length, shape, set of objects or quantity   |
| <b>Measurement</b> | Make measurements                   | Choose and use appropriate standard units to estimate and measure to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels: <ul style="list-style-type: none"> <li>• Length/height in any direction (m/cm);</li> <li>• Mass (kg/g)</li> <li>• Temperature (°C);</li> <li>• Capacity (litres/ml).</li> </ul> |  |
|                    | Solve measurement problems          | Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change   |  |
| <b>Geometry</b>    | Classify shapes                     | Identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line   |  |
|                    |                                     | Identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces  |  |
|                    | Describe movement                   | Use mathematical vocabulary to describe position, direction and movement, including movement in a straight line and distinguishing between rotation as a turn and in terms of right angles for quarter, half and three-quarter turns (clockwise and anti-clockwise).   |  |
| <b>Statistics</b>  | Interpret data                      | Interpret data from simple pictograms, tally charts, block diagrams and simple tables  |  |

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|  | Solve data problems | Ask and answer questions about totalling and comparing categorical data |
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