**Key Learning in Mathematics – Year 1**

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| **Number – number and place value** | **Number – addition and subtraction** | **Number – multiplication and division** |
| * Count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number * Count in multiples of twos, fives and tens * Read and write numbers to 100 in numerals * Read and write numbers from 1 to 20 in numerals and words * *Begin to recognise the place value of numbers beyond 20 (tens and ones)* * Identify and represent numbers using objects and pictorial representations including the number line * Use the language of: equal to, more than, less than (fewer), most, least * Given a number, identify one more and one less * *Recognise and create repeating patterns with numbers, objects and shapes* * *Identify odd and even numbers linked to counting in twos from 0 and 1* * *Solve problems and practical problems involving all of the above* | * Read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs * Represent and use number bonds and related subtraction facts within 20 * Add and subtract one-digit and two-digit numbers to 20, including zero *(using concrete objects and pictorial representations)* * Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as 7 = □ - 9 | * *Recall and use doubles of all numbers to 10 and corresponding halves* * Solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher |
| **Measurement** |
| * Measure and begin to record:   - lengths and heights, *using non-standard and then manageable  standard units (m/cm)  -* mass/weight, *using non-standard and then manageable standard   units (kg/g)*  - capacity and volume *using non-standard and then manageable   standard units (litres/ml)*  - time (hours/minutes/seconds)  *within children’s range of counting competence*   * Compare, describe and solve practical problems for:   - lengths and heights (for example, long/short, longer/shorter,   tall/short, double/half)  - mass/weight (for example, heavy/light, heavier than, lighter than)  - capacity and volume (for example, full/empty, more than, less than,   half, half full, quarter)  - time (for example, quicker, slower, earlier, later)   * Recognise and use language relating to dates, including days of the week, weeks, months and years * Sequence events in chronological order using language (for example, before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening * Tell the time to the hour and half past the hour and draw the hands on a clock face to show these times * Recognise and know the value of different denominations of coins and notes |
| **Number – fractions** | **Geometry – properties of shapes** |
| * *Understand that a fraction can describe part of a whole* * *Understand that a unit fraction represents one equal part of a whole* * Recognise, find and name a half as one of two equal parts of an object shape or quantity *(including measure)* * Recognise, find and name a quarter as one of four equal parts of an object, shape or quantity *(including measure)* | * Recognise and name common 2-D shapes, including rectangles (including squares), circles and triangles * Recognise and name common 3-D shapes, including cuboids (including cubes), pyramids and spheres |
| **Geometry – position and direction** |
| * Describe movement, including whole, half, quarter and three-quarter turns * *Recognise and create repeating patterns with objects and shapes* * Describe position and direction |
| **Statistics** |
| * *Sort objects, numbers and shapes to a given criterion and their own* * *Present and interpret data in block diagrams using practical equipment* * *Ask and answer simple questions by counting the number of objects in each category* * *Ask and answer questions by comparing categorical data* |