Key Learning in Mathematics – Year 1

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.

Key Learning in Mathematics – Year 1

Number – fractions

- *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)*.

Geometry – properties of shapes

- 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.

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.

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.*