Year One Mathematics Overview

Number and Place Value

- ➢ count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number
- ➢ count, read and write numbers to 100 in numerals; count in multiples of twos, fives and tens
- ➢ given a number, identify one more and one less
- ➢ identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least
- ➢ read and write numbers from 1 to 20 in numerals and words.

Addition and Subtraction

- ➢ 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
- ➢ solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $7 = \square − 9$.

Multiplication and Division

- ➢ 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.

Fractions (including decimals and percentages)

- ➢ recognise, find and name a half as one of two equal parts of an object, shape or quantity
- ➢ recognise, find and name a quarter as one of four equal parts of an object, shape or quantity

Measurement

- ➢ compare, describe and solve practical problems for:
    - o lengths and heights [for example, long/short, longer/shorter, tall/short, double/half]
    - o mass/weight [for example, heavy/light, heavier than, lighter than]
    - o capacity and volume [for example, full/empty, more than, less than, half, half full, quarter]
    - o time [for example, quicker, slower, earlier, later]
- ➢ measure and begin to record the following:
    - o lengths and heights
    - o mass/weight
    - o capacity and volume
    - o time (hours, minutes, seconds)
- ➢ recognise and know the value of different denominations of coins and notes
- ➢ sequence events in chronological order using language [for example, before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening]
- ➢ recognise and use language relating to dates, including days of the week, weeks, months and years
- ➢ tell the time to the hour and half past the hour and draw the hands on a clock face to show these times.

Geometry - properties of space

- ➢ recognise and name common 2-D and 3-D shapes, including:
    - o 2-D shapes [for example, rectangles (including squares), circles and triangles]
    - o 3-D shapes [for example, cuboids (including cubes), pyramids and spheres].

Geometry - position and direction

- ➢ describe position, direction and movement, including whole, half, quarter and three-quarter turns.