

# Aims of the maths curriculum

- Develop conceptual understanding
  - Ensuring that child understand the concepts and reasons not just following procedure
- Ability to recall and apply knowledge rapidly and accurately
- Reason mathematically
  - Noticing relationships and generalisations, being able to justify and prove using mathematical language
- Solve problems

# Strands

- Number and Place Value
- Addition & Subtraction
- Multiplication & Division
- Fractions
- Measurement
- Shape
- Position & Direction
- Statistics (Year 2)

YEAR 1

# Number & Place Value

- count to and across 100, forwards and backwards, beginning from any given number
- count, read and write numbers to 100 in numerals; count in multiples of 2, 5 and 10
- 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 understand mathematical statements involving addition (+), subtraction (-) and equals (=) signs
- 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  $5 = ? - 3$ .

# Multiplication & 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

- 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 I

- compare, describe and solve practical problems for:
  - lengths and heights
  - mass/weight
  - capacity and volume
  - time
- measure and begin to record the following:
  - lengths and heights
  - mass/weight
  - capacity and volume
  - time (hours, minutes, seconds)
- recognise and know the value of different denominations of coins and notes

# Measurement II

- 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.

# Shape

- recognise and name common 2-D and 3-D shapes,

## Position & Direction

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