

## National Centre for Excellence in the Teaching of Mathematics

### National Curriculum: Year Overview - Year 1

#### 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:
  - ▶ 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]
- ▶ 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
- ▶ 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:
  - ▶ 2-D shapes [for example, rectangles (including squares), circles and triangles]
  - ▶ 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.