

## Number – Number and Place Value

Children will learn to:

- \* count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward
- \* recognise the place value of each digit in a two-digit number (tens, ones)
- \* identify, represent and estimate numbers using different representations, including the number line
- \* compare and order numbers from 0 up to 100; use  $<$ ,  $>$  and  $=$  signs
- \* read and write numbers to at least 100 in numerals and in words
- \* use place value and number facts to solve problems.

## Number – Addition and Subtraction

Children will learn to:

- \* solve problems with addition and subtraction:
  - using concrete objects and pictorial representations, including those involving numbers, quantities and measures
  - applying their increasing knowledge of mental and written methods
- \* recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100
- \* add and subtract numbers using concrete objects, pictorial representations, and mentally, including:
  - a two-digit number and ones
  - a two-digit number and tens
  - two two-digit numbers
  - adding three one-digit numbers
- \* show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot
- \* recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems.

## Number – Multiplication and Division

Children will learn to:

- \* recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers
- \* calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication ( $\times$ ), division ( $\div$ ) and equals ( $=$ ) signs
- \* show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot
- \* solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts.



Little Paxton  
Primary School  
Year 2  
Mathematics

## Number – Fractions

Children will learn to:

- \* recognise, find, name and write fractions: one third, one quarter, two quarters and three quarters of a length, shape, set of objects or quantity
- \* write simple fractions for example, one half of 6 = 3 and recognise the equivalence of two quarters

## Statistics

Children will learn to:

- \* interpret and construct simple pictograms, tally charts, block diagrams and simple tables
- \* ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity
- \* ask and answer questions about totalling and comparing

## Measurement

Children will learn to:

- \* choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature ( $^{\circ}\text{C}$ ); capacity (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels
- \* compare and order lengths, mass, volume/capacity and record the results using  $>$ ,  $<$  and  $=$
- \* recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value
- \* find different combinations of coins that equal the same amounts of money
- \* solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change
- \* compare and sequence intervals of time
- \* tell and write the time to five minutes, including quarter past/to the hour and draw the hands on a clock face to show these times
- \* know the number of minutes in an hour and the number of hours in a day.

## Geometry – Properties of Shapes

Children will learn to:

- \* identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line
- \* identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces
- \* identify 2-D shapes on the surface of 3-D shapes, [for example, a circle on a cylinder and a triangle on a pyramid]
- \* compare and sort common 2-D and 3-D shapes and everyday objects.

## Geometry – Position and Direction

Children will learn to:

- \* order and arrange combinations of mathematical objects in patterns and sequences
- \* use mathematical vocabulary to describe position, direction and movement, including movement in a straight line and distinguishing between rotation as a turn and in terms of right angles for quarter, half and three-quarter turns (clockwise and anti-clockwise).