



## Maths – Year 2 Termly Overview

### Autumn

#### Place Value

- Count in steps of 2, 3 and 5 from 0 and in tens from any number (forwards and backwards).
- Read and write numbers to at least 100 in numerals and in words.
- Identify, represent and estimate numbers using different representations, including a number line.
- Recognise the place value of each digit in a two-digit number - T/O.
- Compare and order numbers from 0 up to 100 (use  $<$ ,  $>$  and  $=$ ).
- Use place value and number facts to solve problems.

#### Addition and Subtraction

- Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100.
- 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.
- Add and subtract numbers using concrete objects, pictorial representations and mentally, including:
  - 1) A two-digit number and ones.
  - 2) A two-digit number and tens.
  - 3) Two two-digit numbers.
  - 4) Adding three one-digit numbers.
- Solve problems with addition and subtraction:
  - 1) Using concrete objects and pictorial representations, including those involving numbers, quantities and measures.
  - 2) Applying their increasing knowledge of mental and written methods.

#### Money

- 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 change given).



## Maths – Year 2 Termly Overview

### Spring

#### Multiplication and Division

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

#### Time

- 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.

#### Properties of Shape

- Identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line.
- Identify 2-D shapes on the surface of 3-D shapes (for example, a circle on a cylinder or a triangle on a pyramid).
- Compare and sort common 2-D shapes and everyday objects.
- Recognise and name common 3-D shapes (for example, cuboids, cubes, pyramids and spheres).
- Compare and sort common 3-D shapes and everyday objects.

#### Fractions

- Recognise, find, name and write fractions  $\frac{1}{3}$ ,  $\frac{1}{4}$ ,  $\frac{2}{4}$  and  $\frac{3}{4}$  of a length, shape, set of objects or quantity.
- Recognise the equivalence of  $\frac{2}{4}$  and  $\frac{1}{2}$ .
- Write simple fractions, for example,  $\frac{1}{2}$  of  $6 = 3$ .



## Maths – Year 2 Termly Overview

### Summer

#### Position and Direction

- 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).

#### Mass, Capacity and Temperature

- Choose and use appropriate standard units to estimate and measure:

Length/height in any direction (m/cm);  
Mass (kg/g);  
Temperature (degrees Celsius);  
Capacity (litres/ml)

All of the above carried out 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  $=$ .

#### Statistics

- 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 categorical data.

#### Additional Units:

Problem Solving and Efficient Methods

Investigations

Times-Tables: 2's, 3's, 5's and 10's.