Year 2 Curriculum Maths Overview

Below is a list of the objectives that chidlren will cover during Year 1.

Number – Number and Place Value

- Count in steps of 2, 3 and 5 from 0, and in tens from any given number forward or 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 nubers to at least 100 in numerals and words
- Use place value and number facts to solve problems

Number – Addition and Subtraction

- Solve one step 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 concreate objects, pictorial representations, and mentally, including a two digit numebr 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 calcultions and solve missing number problems

Number – Multiplication and Division

- 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 (x), division (÷) 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 context.

Number – Fractions

- Recognise, find and name and write fractions 1/3, ¼, 2/4 and ¾ of a length, shape, set of objects or quantity
- Write simple fractions e.g. ½ of 6 = 3 and recognise the equivalence of two quarters and one half.

Measurement

- Choose and use appropriate standard units to estimate and measure length/height in any direction (m/CM); mass (kg/g); temperature (°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 differnet combinations of coins that equal the same amount of money
- Solve simple problems in practical context, involving addition and subtraction or money of the same unit, including giving change
- Compare and sequence intervals of time
- Tell and write the time to five minutes, including quarter to/past 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

- Identify and describe the properties of 2-D shapes, including the number of sides and 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

- Order and arrange combinations of mathematical objects in patterns
- Use mathematical vocabualry to describe positions, direction and movement, including distiguishing between rotation as a turn and in terms of right angles for quarter, halg and three-quarter turns (clockwise and anti-clockwise), and movement in a straight line.

Statistics

- Interpret and construct simple pictograms, tally charts, block diagrams and simple tables
- Ask and answer simple questions by counting the number of bjects in each catergory and sorting the categories by quantity
- Ask and asnwer questions about totalling and compare catergorical data