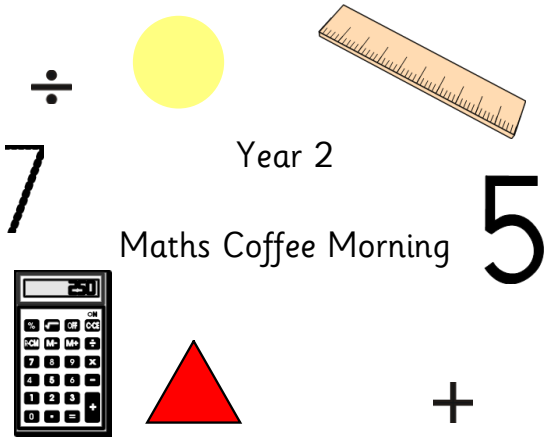

Maths Curriculum in year 2

Number - number and place value

Pupils should be taught to:

1. count in steps of 2, 3, and 5 from 0, and in 10s from any number, forward and backward
2. recognise the place value of each digit in a two-digit number (10s, 1s)
3. identify and estimate numbers on the number line
4. compare and order numbers from 0 up to 100 and use greater than/less then and equals symbol
5. use place value and number facts to solve problems

Number - addition and subtraction

Pupils should be taught to:

1. solve problems with addition and subtraction:
    1. applying their increasing knowledge of mental and written methods
2. recall and use addition and subtraction facts to 10 and 20 fluently use related facts up to 100
3. add and subtract numbers using objects, pictorial representations, and mentally, including:
    1. a two-digit number and 1s
    2. a two-digit number and 10s
    3. 2 two-digit numbers
    4. adding 3 one-digit numbers
4. show that addition of 2 numbers can be done in any order and subtraction of 1 number from another cannot
5. 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

Pupils should be taught to:

1. recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers
2. show that multiplication of 2 numbers can be done in any order (commutative) and division of 1 number by another cannot
3. solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts

Number - fractions

Pupils should be taught to:

- 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
- write simple fractions, for example $\frac{1}{2}$ of 6 = 3 and recognise the equivalence of $\frac{2}{4}$ and $\frac{1}{2}$

Measurement

Pupils should be taught to:

1. 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
2. compare and order lengths, mass, volume/capacity and record the results using greater than/less than and equals.
3. recognise and use symbols for pounds (£) and pence (p? and combine amounts to make a particular value
4. find different combinations of coins that equal the same amounts of money
5. solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change
6. compare and sequence intervals of time
7. 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
8. know the number of minutes in an hour and the number of hours in a day

Geometry - properties of shapes

Pupils should be taught to:

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

Position and direction

Pupils should be taught to:

1. order and arrange combinations of mathematical objects in patterns and sequences
2. 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)

Statistics

Pupils should be taught to:

1. interpret and construct simple pictograms, tally charts, block diagrams and tables
2. ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity
3. ask-and-answer questions about totalling and comparing categorical data

Any Questions?