



## MATHS CURRICULUM Y2

Y2

### AUTUMN

- **NUMBER: Place Value**
- Read and write numbers to at least 100 in numerals and words
- Identify, represent and estimate numbers using different representations, including the number line
- Recognise the place value of each digit in a two-digit number (tens, ones)
- Compare and order numbers from 0 up to 100;
- Use  $<$   $>$  and  $=$  signs I can use place value and number facts to solve problems
- Count in steps of 2, 3, and 5 from 0, and in tens forward and backward
- **NUMBER: Addition and Subtraction**
- 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
- Recall and use addition and subtraction facts to 20 and derive 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
- 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
- Recognise and use the inverse relationship between addition and subtraction to solve missing number problems
- **GEOMETRY: Properties of Shapes**
- Identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line
- Recognise and name common 3-D shapes, for example, cuboids (including cubes), pyramids and spheres I can identify 2-D shapes on the surface of 3-D shapes, for example, a circle on a cylinder and a triangle on a pyramid

### SPRING

- **MEASUREMENT: Money**
- Recognise and use symbols for pounds (£) and pence (p); combine amounts of money to make a particular value
- Find different combinations of coins that equal the same amount of money
- Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change
- **NUMBER: Multiplication and Division**
- Recall multiplication and division facts for the 2, 5 and 10 multiplication tables, and use them to solve simple problems 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
- Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts
- Show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot
- **MEASUREMENT: Length and Height**
- Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm) to the nearest appropriate unit, using rulers, scales, and measuring vessels
- Compare and order measurements and record the results using  $<$   $>$  and  $=$
- **MEASUREMENT: Mass, Capacity and Temperature**
- Choose and use appropriate standard units to estimate and measure mass (kg/g); temperature ( $^{\circ}$ C); capacity (litres/ml) to the nearest appropriate unit, using scales, thermometers and measuring vessels
- Compare and order measurements and record the results using  $<$   $>$  and  $=$

### SUMMER

- **NUMBER: Fractions**
- Recognise, find, name and write fractions  $1/3$ ,  $1/4$ ,  $2/4$  and  $3/4$  of a length, shape, set of objects or quantity
- Write simple fractions for example,  $1/2$  of  $6 = 3$
- recognise the equivalence of  $2/4$  and  $1/2$
- **MEASUREMENT: 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
- Compare and sequence intervals of time
- **STATISTICS: Graphs**
- 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
- **GEOMETRY: Position and Direction**
- Use mathematical vocabulary to describe 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)
- Order and arrange combinations of mathematical objects in patterns and sequences

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|  | <ul style="list-style-type: none"><li>• Compare &amp; sort common 2-D shapes and everyday objects I can compare &amp; sort common 3-D shapes and everyday objects</li></ul> |  |  |
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