

<b>YEAR 2 MATHS: NUMBER AND PLACE VALUE</b>		
Count in 2s, 5s and 10's from 0, forwards and backwards		
Count in 3s from 0, forwards and backwards.		
See the place value of each digit in a 2-digit number & partition numbers into tens and ones using apparatus and pictures.		
Identify, represent and estimate numbers using different representations including the number line (temp, mass, weight)		
Compare and order numbers from 0 up to 100;		
Use <, > and = signs to compare numbers and measures (mass, temp, weight etc.).		
Read and write numbers to at least 100 in numerals and in words.		
Use place value and number facts to solve problems.		
<b>MATHS: ADDITION AND SUBTRACTION</b>		
Solve problems with addition: in	<ul style="list-style-type: none"> <li>Using concrete objects and pictorial representations</li> </ul>	
Including problems with more than 1 step.	<ul style="list-style-type: none"> <li>Involving numbers, quantities and measures.</li> <li>Applying their increasing knowledge of written methods.</li> </ul>	
Solve problems with subtraction:	<ul style="list-style-type: none"> <li>Using concrete objects and pictorial representations.</li> </ul>	
Including problems with more than 1 step.	<ul style="list-style-type: none"> <li>Involving numbers, quantities and measures</li> <li>Applying their increasing knowledge of written methods</li> </ul>	
Recall and use addition and subtraction facts to 20 fluently,		
Add numbers using concrete objects, pictorial representations, and mentally, including:	<ul style="list-style-type: none"> <li>a two-digit number and ones</li> </ul>	
	<ul style="list-style-type: none"> <li>a two-digit number and tens</li> </ul>	
	<ul style="list-style-type: none"> <li>two two-digit numbers</li> </ul>	
	<ul style="list-style-type: none"> <li>adding three one-digit numbers</li> </ul>	
Subtract numbers using concrete objects, pictorial representations, and mentally, including:	<ul style="list-style-type: none"> <li>a two-digit number and ones</li> </ul>	
	<ul style="list-style-type: none"> <li>a two-digit number and tens</li> </ul>	
	<ul style="list-style-type: none"> <li>two two-digit numbers</li> </ul>	
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 and more complex inverse problem solving		
<b>MATHS: MULTIPLICATION AND DIVISION</b>		
Recall and use multiplication and division facts for the 2 times table and write them using the (x), (÷) and (=)		
Recall and use multiplication and division facts for the 5 times table and write them using the (x), (÷) and (=)		
Recall and use multiplication and division facts for the 10 times table and write them using the (x), (÷) and (=)		
Recognise odd and even numbers and solve more complex problems relating to these numbers.		
Show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot		
Solve problems in context involving multiplication and division	<ul style="list-style-type: none"> <li>Concrete object and arrays</li> </ul>	
	<ul style="list-style-type: none"> <li>Repeated addition</li> </ul>	
	<ul style="list-style-type: none"> <li>Mental methods and multiplication and division facts.</li> </ul>	
<b>NUMBER: FRACTIONS, DECIMALS and PERCENTAGES</b>		
Recognise, find, name and write 1/2, 1/3, 1/4, 2/4 and 3/4 of a shape.		
Recognise, find, name and write 1/2, 1/3, 1/4, 2/4 and 3/4 of a set of objects, quantity or length.		
Recognise the equivalence of 2/4 and 1/2		
<b>MATHS: MEASUREMENT: SHAPE</b>		
Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm)		
Compare and order length/height and record the results using >, < and =		
<b>MATHS: MEASUREMENT: MASS, WEIGHT, TEMP, CAPACITY AND LENGTH</b>		
Choose and use units to estimate and measure mass (kg/g), Capacity (litres/ml), temperature (°C) and length		
Compare and order units of measure and record the results using >, < and =		

**MATHS: MEASUREMENT: TIME**

Tell the time to 15 minutes (o'clock, quarter past, half past and quarter to).

Tell the time to five minutes, including quarter past/to the hour.

Write the time to five minutes, including quarter past/to the hour.

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.

**MATHS: MEASUREMENT: MONEY**

Recognise and use symbols for pounds (£) and pence (p) and know the value of different coins.

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

**MATHS: GEOMETRY: PROPERTIES OF SHAPE**

Identify 2D shape names and the properties of 2-D shapes, including the number of sides.

Identify a line symmetry in a vertical line.

Identify and describe properties of 3-D shapes, including number of edges, vertices and faces

Identify 2-D shapes on the surface of 3-D shapes [e.g., circle on cylinder, triangle on pyramid]

Compare and sort common 2-D shapes.

Compare and sort common 3-D shapes and everyday objects.

**MATHS: GEOMETRY: POSITION AND DIRECTION**

Order and arrange combinations of mathematical objects in patterns and sequences

Use mathematical vocabulary to describe position.

Use mathematical vocabulary to describe direction and movement, including movement in a straight line, 1/4 turns and

Distinguish between rotation as a turn and in terms of right angles for quarter, half and three-quarter turns (clockwise and anti-clockwise).

**MATHS: STATISTICS**

Interpret and construct simple pictograms.

Interpret and construct simple tally charts and frequency tables.

Interpret and construct simple block diagrams.

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 totaling and comparing categorical data.