



Where Children Come First

Maths

Skills taught in Year 2 at The Grange

Place Value

	Counting	Represent	Use PV and Compare	Problems & Rounding
Year Two	<ul style="list-style-type: none"> Count in steps of 2, 3, and 5 from 0, and in tens from any number, forward or backward 	<ul style="list-style-type: none"> Read and write numbers to at least 100 in numerals and in words. Identify, represent and estimate numbers using different representations, including the number line. 	<ul style="list-style-type: none"> Recognise the place value of each digit in a two-digit (tens, ones). Compare and order numbers from 0 up to 100. Use $<$, $>$ and $=$ signs. 	<ul style="list-style-type: none"> Use place value and number facts to solve problems.

Addition & Subtraction

	Recall, Represent, Use	Calculations	Solve Problems
Year Two	<ul style="list-style-type: none"> 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 in any order 	<ul style="list-style-type: none"> Add and subtract numbers using concrete objects, pictorial representations and mentally, including: <ul style="list-style-type: none"> - A 2-digit number and ones. • A 2-digit number and tens. - 2-digit numbers. • Adding three 1-digit numbers. 	<ul style="list-style-type: none"> Solve problems with addition and subtraction: <ul style="list-style-type: none"> • Using concrete objects and pictorial representations, including those involving numbers, quantities and measures. • Applying their increasing knowledge of mental and written methods.

	<p>(commutative) and subtraction of one number from another cannot.</p> <ul style="list-style-type: none"> Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems. 		
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Multiplication and Division

	Recall, Represent, Use	Calculations	Solve Problems	Combined Operations
Year Two	<ul style="list-style-type: none"> Recall and use multiplication and division facts for the 2, 5 and 10 times 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. 	<ul style="list-style-type: none"> Calculate mathematical statements for multiplication and division within the x tables and write them using the correct signs. 	<ul style="list-style-type: none"> Solve problems involving multiplication and division using objects, arrays, repeated addition, mental methods, facts. 	

Fractions

	Recognise and Write	Compare	Calculations	Solve Problems
Year Two	<ul style="list-style-type: none"> 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. 	<ul style="list-style-type: none"> Recognise the equivalence of $\frac{2}{4}$ and $\frac{1}{2}$. 	<ul style="list-style-type: none"> Write simple fractions. 	

Decimals, Percentages and Algebra:

Note – algebraic thinking is seen in the ‘missing number’ objectives from Y1 upwards.

Measurement

	Using Measures	Money	Time	Perimeter, Area, Volume
Year Two	<ul style="list-style-type: none">Choose and use appropriate standard units to estimate and measure length/height in any direction, mass, temperature, capacity to the nearest appropriate unit using rules, scales, thermometers and measuring vessels.Compare and order lengths, mass, volume/capacity and record the results using $<$, $>$ and $=$.	<ul style="list-style-type: none">Recognise and use symbols for pounds and pence 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 content involving addition and subtraction of money of the same unit, including giving change.	<ul style="list-style-type: none">Compare and sequence intervals of time.Tell and write the time to five minutes, quarter past/to 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

	2D shapes	3D shapes	Angles and Lines	Position and Direction
Year Two	<ul style="list-style-type: none"> Identify and describe the properties of 2D shapes, including number of sides and symmetry in a vertical line. Identify 2D shapes on the surface of 3D shapes. Compare and sort common 2D shapes and everyday objects. 	<ul style="list-style-type: none"> Recognise and name common 3D shapes. Compare and sort common 3D shapes and everyday objects. 		<ul style="list-style-type: none"> Order and arrange combinations of mathematical objects in patterns and sequences. Use mathematical vocab to describe position, direction and movement.

Statistics

	Present and Interpret	Solve Problems
Year Two	<ul style="list-style-type: none"> Interpret and construct simple pictograms, tally charts, block diagrams and simple tables. 	<ul style="list-style-type: none"> 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.