

Year 2 Programme of Study

Term Per Page Overview 2015-2016

Half Term	National Curriculum Requirements	
<p>Autumn Term</p> <p>A1 – 7 weeks</p> <p>A2 – 7 weeks</p> <p><u>*plan for week of using and applying Christmas themed maths.</u></p> <p><i>*week 6 of these terms should be used for assessments</i></p>	<p>Number and Place Value (4 weeks)</p>	<ul style="list-style-type: none"> • Identify, represent and estimate numbers using different representations including the number line. • Read and write numbers to at least 100 in numerals and words. • <u>Compare and order numbers from 0-100 and use < > = signs.</u> • <u>Recognise the place value of each digit in a two-digit number</u>
	<p>Addition and Subtraction (3 weeks)</p>	<ul style="list-style-type: none"> • <u>Use concrete objects and pictorial representations, including those involving numbers, quantities and measures.</u> • <u>Recall addition facts to 20 fluently.</u> • Show that addition can be done in any order (commutative) and subtraction cannot. • Add/subtract a 2-digit number and ones using objects, pictorial representations and mentally. • Add/subtract a 2-digit number and tens (as above).

	Number and Place Value (2 weeks)	<ul style="list-style-type: none"> • <u>Count in steps of 2 and 5 from 0 and any given number, forward and backwards.</u> • <u>Count in tens from any number forwards and backwards.</u> • <u>Use place value and number facts to solve problems.</u>
	Addition and Subtraction (2 weeks)	<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. • Add/subtract two 2-digit numbers using concrete objects and pictorial representations. • Add three 1-digit numbers mentally (use number bond knowledge to support).
	Multiplication and Division (1 week)	<ul style="list-style-type: none"> • <u>Recall and use multiplication facts for 2, 5 and 10x tables.</u> • <u>Recognise odd and even numbers (2x tables).</u>
	Measurements (1 week) *link these objectives to foundation subjects in afternoons where possible for this week (PE, ICT, Geography, Art, DT etc).	<ul style="list-style-type: none"> • Order and arrange combinations of mathematical objects in patterns and sequences. • <u>Use positional vocabulary to describe position, direction and movement (link to ICT and PE).</u> • Use symbols for pounds and pence. • Find different combinations of coins that equal the same amount (link to + or x)

<p>Spring Term</p> <p>SP1 – 6 weeks</p> <p>SP2 – 5 weeks</p> <p><u>*plan for week of using and applying Easter themed maths.</u></p> <p><i>*week 6 of these terms should be used for assessments</i></p>	<p>Number and Place Value (1 week)</p>	<ul style="list-style-type: none"> Count in steps of 3 from 0 and from any number, forward and backwards.
	<p>Addition and Subtraction (2 weeks)</p>	<ul style="list-style-type: none"> Apply increasing knowledge of written and mental methods for + and – Recall addition and subtraction facts up to 100.
	<p>Multiplication and Division (1 week)</p>	<ul style="list-style-type: none"> Calculate mathematical statements for multiplication and division and write them using x and = signs Show that multiplication of two numbers can be done in any order (commutative) and division cannot.
	<p>Measurements (1 week)</p>	<ul style="list-style-type: none"> Compare and order lengths using < > and = Choose and use appropriate standard units of measure for length/height (cm/m)
	<p>Properties of Shape (1 week)</p>	<ul style="list-style-type: none"> Identify and describe the properties of 3D shapes, including the number of edges, vertices and faces. Identify 2D shapes on the surface of 3D shapes. Compare and sort common 2D and 3D shapes and everyday objects.

	Multiplication and Division (2 weeks)	<ul style="list-style-type: none"> • <u>Recall and use multiplication and division facts for 2x, 5x and 10x tables.</u> • <u>Solve problems involving multiplication and division.</u>
	Statistics (1 week)	<ul style="list-style-type: none"> • <u>Interpret and construct simple pictograms, tally charts, block diagrams and simple tables.</u> • <u>Ask and answer questions about totalling and comparing categorical data.</u>
	Measurements (1 week)	<ul style="list-style-type: none"> • <u>Compare and order mass using < > and =</u> • Choose and use appropriate standard units of measure for mass (kg/g) and temperature (C)

<p>Summer Term</p> <p>SU1 – 7 weeks</p> <p>SU2 – 7 weeks</p> <p><u>*plan for week of using and applying investigations connected to outdoors/big scale work.</u></p> <p><i>*week 6 of these terms should be used for assessments</i></p>	<p>Addition and Subtraction (1 week)</p>	<ul style="list-style-type: none"> Apply increasing knowledge of written and mental methods for + and – (problem solving)
	<p>Multiplication and Division (1 week)</p>	<ul style="list-style-type: none"> Solve problems involving multiplication and division
	<p>Fractions (2 weeks)</p>	<ul style="list-style-type: none"> Recognise, find, name and write fractions $\frac{1}{3}$, $\frac{2}{4}$ and $\frac{3}{4}$ of a length, shape, set of objects or quantity. Write simple fractions e.g. $\frac{1}{6}$ of 6 = 3 and recognise equivalence of $\frac{2}{4}$ and $\frac{1}{2}$.
	<p>Measurements (2 week)</p>	<ul style="list-style-type: none"> Compare and order volume/capacity using < > and = Choose and use appropriate standard units of measuring capacity (l/m) Solve problems in a practical context involving + - of money of the same unit including giving change.
	<p>Position and Direction (1 week)</p>	<ul style="list-style-type: none"> Distinguish rotation in terms of right angles for quarter, half and three quarter turns.
	<p>Number and Place Value (1 week)</p>	<ul style="list-style-type: none"> Estimating. Counting in steps of 2, 3, 5 or 10, forwards and back.
	<p>Addition/Subtraction Multiplication/Division (1 week)</p>	<ul style="list-style-type: none"> Re-cap on mental and written methods.
	<p>Measurements (2 weeks)</p>	<ul style="list-style-type: none"> Tell and write the time to five minutes, including quarter past/to the hour and draw hands on a clock face to show these.

		<ul style="list-style-type: none"> • Compare and sequence intervals of time. • Know the number of minutes in an hour and hours in a day.
	Statistics (2 weeks)	<ul style="list-style-type: none"> • Interpret and construct simple pictograms, tally charts, block diagrams and simple tables. • Ask and answer questions about totalling and comparing categorical data.