

Year 3 Programme of Study

Term Per Page Overview 2016-2017

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</p> <p>Measurement</p> <p>(3 weeks)</p>	<ul style="list-style-type: none"> • Read and write numbers to at least 1000 in numerals and words. • <u>Recognise the place value of each digit in a three-digit number (hundreds, tens, units).</u> • Identify, represent and estimate numbers using different representations. • Compare and order numbers up to 1000 use < > and = signs. • <u>Measure and compare lengths (m, cm, mm), mass (kg,g) and capacity (l,ml)</u>
	<p>Addition and Subtraction</p> <p>Measurement</p> <p>(2 weeks)</p>	<ul style="list-style-type: none"> • Estimate the answer to a calculation. • <u>Add and subtract numbers mentally. HTU + U</u> • <u>Add and subtract length, mass and capacity HTU + U</u> • Use inverse operations to check answers.

	<p>Properties of shapes (1 week)</p>	<ul style="list-style-type: none"> • Identify lines as horizontal and vertical and identify pairs of parallel or perpendicular lines. • Draw 2D shapes. • Find the perimeter of 2D shapes.
	<p>Statistics (1 week)</p>	<ul style="list-style-type: none"> • <u>Interpret and present data using bar charts, pictograms and tables.</u> *TOPIC LESSON LINK
	<p>Number and Place Value (2 weeks)</p>	<ul style="list-style-type: none"> • <u>Find 10 or 100 more/less than a given number.</u> • <u>Count on from 0 in multiples of 100.</u> • <u>Count from 0 in multiples of 4.</u>
	<p>Addition and Subtraction Measurement (2 weeks)</p> <p>CHRISTMAS THEMED</p>	<ul style="list-style-type: none"> • <u>Add and subtract numbers mentally.</u> <u>HTU + T</u> <u>HTU + H</u> • Solve missing number problems using mental addition and subtraction <u>HTU + T</u> <u>HTU + H</u> • <u>Add and subtract length, mass and capacity</u> <u>HTU + T</u> <u>HTU + H</u> • <u>Add and subtract money to give change using £ and p</u>

	Multiplication and Division (1 week)	<ul style="list-style-type: none"> • Recall and use \times and \div facts for 3x and 4x tables • Solve problems including missing numbers using \times and \div (3x and 4x tables)
	Properties of Shape (1 week)	<ul style="list-style-type: none"> • Recognise 3D shapes in different orientations and describe them. • Make 3D shapes using modelling materials.
<p>Spring Term</p> <p>SP1 – 5 weeks</p> <p>SP2 – 6 weeks</p> <p>*plan for week of using and applying Easter themed maths.</p> <p><i>*week 6 of these terms should be used for assessments</i></p>	Number and Place Value Multiplication/Division (2 weeks)	<ul style="list-style-type: none"> • Count from 0 in multiples of 8. • Recall and use \times and \div facts for 8x tables. • Solve problems including missing numbers using \times and \div (8x tables) • Solve problems using \times and \div for positive scaling (the liver weighs 3 times more than the heart) and correspondence problems
	Fractions (1 week)	<ul style="list-style-type: none"> • Recognise, find and write fractions of a set of discrete objects (unit fractions and non-unit fractions with a small denominator)
	Addition and Subtraction Measurement (2 weeks)	<ul style="list-style-type: none"> • Add numbers with up to 3-digits using formal methods (expanded column method) • Add and subtract length, mass and capacity using formal written methods

	<p>Number and Place Value Multiplication and Division (2 weeks)</p>	<ul style="list-style-type: none"> • <u>Count on from 0 in multiples of 50.</u> • <u>Write and calculate mathematical statements for x and ? using the multiplication tables they know, including for 2-digit x 1-digit numbers</u> E.g <u>15 x 3 =</u> <u>They know 10x3 and 5x3</u>
	<p>Fractions (2 weeks)</p>	<ul style="list-style-type: none"> • <u>Recognise that tenths arise from dividing an object, 1-digit number or quantity into 10 equal parts.</u> <p>Count up and down in tenths (0.10, 0.20 1/10, 2/10 etc)</p> <ul style="list-style-type: none"> • Recognise and use fractions as numbers; unit fractions and non-unit fractions with small denominators (on a number line etc)
	<p>Addition and Subtraction Measurements (1 week)</p>	<ul style="list-style-type: none"> • Add numbers with up to 3-digits using formal methods (expanded column method) • Add and subtract length, mass and capacity using formal written methods
	<p>Addition and Subtraction (1 week)</p> <p>EASTER THEMED</p>	<ul style="list-style-type: none"> • <u>Solve problems using number facts and place value.</u>

<p>Summer Term</p> <p>SU1 – 5 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>Multiplication and Division (1 week)</p>	<ul style="list-style-type: none"> • Progress to formal written calculations for \times and \div (partitioning and repeated subtraction) • Solve problems using \times and \div for positive scaling (the dog weighs 3 times more than the cat) and correspondence problems (7 apples are cut up into 3 equal slices, how many slices are there?)
	<p>Fractions (1 week)</p>	<ul style="list-style-type: none"> • <u>Recognise and show using diagrams, equivalent fractions with small denominators (e.g. $\frac{1}{2}$ and $\frac{2}{4}$)</u> • Compare and order unit fractions and fractions with the same denominators ($\frac{1}{5}$ and $\frac{3}{5}$)
	<p>Properties of Shape</p> <p>Position and Direction (1 week)</p>	<ul style="list-style-type: none"> • Recognise angles as a property of a shape or a description of a turn • <u>Identify whether angles are greater or lesser than a right angle</u> • <u>Identify right angles as turns</u> 2 make a half turn 3 make $\frac{1}{2}$ turn 4 make a full turn LINK TO PE

	Measurements (2 weeks)	<ul style="list-style-type: none"> • <u>Tell and write the time using analogue, roman numerals and 12hr/24hr clocks.</u> • Use vocabulary o'clock, am/pm, morning, afternoon, noon and midnight.
	Statistics (1 week)	<ul style="list-style-type: none"> • Solve one step and two step problems using information presented in scaled bar charts and pictograms and tables (how many fewer, how many more etc) <p style="text-align: center;">LINK TO TOPIC</p>
	Multiplication and Division (1 week)	<ul style="list-style-type: none"> • Solve problems using \times and \div for positive scaling (the dog weighs 3 times more than the cat) and correspondence problems (7 apples are cut up into 3 equal slices, how many slices are there?)
	Fractions (1 week)	<ul style="list-style-type: none"> • Add and subtract fractions with the same denominator ($\frac{1}{6} + \frac{2}{6} = \frac{3}{6}$) • Solve problems using all fraction knowledge
	Measurements (2 weeks)	<ul style="list-style-type: none"> • Tell and write the time to the nearest minute. • Record and compare durations of time.

	<p>Addition and Subtraction Measurements (2 weeks)</p> <p>BIG OUTDOOR MATHS PROBLEM SOLVING PROJECT</p>	<ul style="list-style-type: none"> • Add numbers with up to 3-digits using formal methods (expanded column method) • <u>Solve problems using number facts and place value.</u> • Add and subtract length, mass and capacity using formal written methods
	<p>Statistics (1 week)</p>	<ul style="list-style-type: none"> • Solve one step and two step problems using information presented in scaled bar charts and pictograms and tables (how many fewer, how many more etc)