

Maths Long Term Plan [Year 2]

Cycle 1				
Autumn Themes	Cross curricular maths	Maths Units	Skills	Non-negotiables
<p>New Beginnings [2 weeks]</p>	<p>Data Handling– [favourite food... Interpret simple pictograms, tally charts, block diagrams and simple tables.</p>	<p>Counting in steps of 2, 3, and 5 from 0 in 10 to any number forwards and back.</p> <p>Place value –recognise place value in any 2 digit number.</p> <p>Estimate numbers on a number line.</p>	<p>Counting from any number</p> <p>Identify ten more and ten less</p> <p>Tally chart</p> <p>Teaching the skill of counting from the smaller number..</p>	<p>Tell time to five minutes, including quarter past/to. <i>Say 10 more/less than any number to 100.</i></p> <p><i>Recognise PV of any 2-digit number and partition it. (tens, ones)</i> <i>Count in multiples of 2, 3 & 5 & 10 from any number up to 100.</i></p> <p><i>[Count from 5 up to 7- counting on method</i></p>
<p>Pirates [2 weeks]</p>	<p>Co-ordinates [positional language]</p> <p>Vocab to describe position, direction and movement: rotation in terms of quarter, half and three quarter turns. Clockwise and anticlockwise.</p> <p>–going on a treasure hunt to</p>	<p>Use place value to solve problems.</p> <p>Using concrete objects and pictorial representations, including those involving numbers, quantities and measures.</p> <p>Recall addition and</p>	<p>Number bonds</p> <p>Positional language and coordinates</p>	<p>Tell time to five minutes, including quarter past/to.</p> <p><i>Recall & use +/- facts to 20.</i></p> <p><i>Find a small difference by counting up from the smaller to the larger number.</i> <i>E.g. 7- 5 = 2</i></p>

	<p>find different coins – counting the amounts – purchasing pirate equipment. [Pirate shop]</p> <p>Money [recognise and use symbols for pounds and pence: combine amounts to make a particular value]</p> <p>Find different combinations of coins that equal the same amounts of money</p>	subtraction facts to 20.		
<p>Autumn</p> <p>[2 Weeks]</p>	<p>Sorting Venn diagrams [sorting leaves – colour, points on the leaves, size] – Create a leaf-o-gram.[season language – months of the year]</p> <p>Ask and answer simple questions by counting objects in categories. Ask and answer questions about totalling and comparing categorical data.</p>	<p>Ordering –compare and order numbers from 1 to 120 using greater, less than, equals signs.</p> <p>Read and write numbers in words and numerals.</p>	<p>Reading the time</p> <p>Compare and sequence intervals of time.</p> <p>Ordering numbers</p>	<p>Tell time to five minutes, including quarter past/to.</p> <p><i>Compare & order numbers up to 100 using < > and =</i></p>
<p>Great Fire of London</p> <p>[4 weeks]</p>	<p>Making the houses using shape vocabulary. How long will it take for our model houses to burn? [stop watch-time] Length between the houses [cm, m]</p> <p>Tea party at Samuel Peeps house [cutting sandwiches into halves and quarters,</p>	<p>Add and subtract [with concrete objects, pictorial representation and mentally</p> <p>TU+ U</p> <p>TU + T</p> <p>TU + TU</p> <p>U + U + U</p>	<p>Telling the time</p> <p>Tell and write the time to 5 minutes, including quarter past/to the hour and draw hands on the clock</p> <p>Adding 3 U numbers</p> <p>U + U + U =</p>	<p>Tell time to five minutes, including quarter past/to.</p> <p><i>To be able to add 3 smaller numbers by putting the largest number first and /or find a pair totaling 10. E.g. 5+ 7 + 3</i></p> <p><i>7+3=10</i></p> <p><i>10+5=15</i></p> <p><i>Add & subtract:</i></p> <p>○ <i>2-digit nos & ones</i></p>

	<p>shapes] Selling and buying the cakes and sandwiches at the tea party]</p> <p>Recognise find name and write fractions $\frac{1}{3}$ $\frac{1}{4}$ $\frac{2}{4}$ $\frac{3}{4}$ of shape</p>	<p>Addition and subtraction linked to money including giving change.</p> <p>Multiplication and division facts for the 2, 5, 10 tables</p> <p>Commutative law multiplication can be done in any order – division cannot.</p> <p>Solve multiplication problems using arrays, materials and repeated addition.</p>	<p>Strategies</p> <p>Times table and division facts practise</p> <p>Odd and even</p>	<ul style="list-style-type: none"> ○ 2-digit nos & tens ○ Two 2-digit nos ○ Three 1-digit nos <p><i>Recall & use multiplication & division facts for 2, 5 & 10 tables recognizing odd and even</i></p> <p><i>Derive & use related facts to 100.</i></p> <p><i>Calculate & write multiplication & division calculations using multiplication tables using \times, $=$ and \div</i></p>
<p>Polar Bears</p> <p>[2 weeks]</p>	<p>Measures – one polar bear = how many children? Who is the tallest in the class? How much taller is the polar bear to that child...</p>	<p>Show that addition of two numbers and be done in any number.</p> <p>Recognise and use the inverse operation.</p>	<p>Telling the time</p> <p>Know the number of minutes in an hour and hours in a day.</p>	<p>Tell time to five minutes, including quarter past/to.</p> <p><i>Recognise & use inverse to solve missing number problems</i></p>
<p>Spring Themes</p>	<p>Cross curricular maths</p>	<p>Maths Units</p>	<p>Skills</p>	<p>Non-negotiables</p>
<p>India</p> <p>[5 weeks]</p>	<p>How many times would Britain fit into India?</p> <p>Creating an traditional rice</p>	<p>Finding half of simple fractions.</p> <p>Standard units t estimate and</p>	<p>Finding halves of any even TU numbers.</p>	<p>Recognise, find, name & write $\frac{1}{3}$; $\frac{1}{4}$; $\frac{2}{4}$; $\frac{3}{4}$ of a length, shape, quantity or set of objects</p>

	<p>dish using measures of rice, herbs, spices, veg.. [grams]</p> <p>Make a pattern using the shape of India</p> <p>Order and arrange combination of mathematical objects in patterns and sequences.</p> <p>Make a class graph of the countries pupils families come from.</p>	<p>measure length and height in any direction [m/cm]: mass, [kg/g] temperature, degrees[c]</p> <p>Capacity [litres ad millilitres]</p> <p>Compare and order lengths, mass, volume/ capacity and record the results using greater than and smaller than]</p>		
<p>Spring</p> <p>[2 weeks]</p>	<p>Time vocabulary</p> <p>Arrays for egg boxes</p>	Equivalent fractions	Times tables	Recognise equivalence of simple fractions.
<p>Dinosaurs</p> <p>[5 weeks]</p>	<p>Measures, length, height</p> <p>Shape identify and describe the properties of 2D shapes including number of sides and line symmetry in a vertical line.</p> <p>Compare and sort 3D shapes and everyday objects</p> <p>Identify 2D shapes on the surface of 3D shapes.</p> <p>Identify and describe the properties of 3D shapes including number of edges, vertices and faces.</p>			

Summer Themes	Cross curricular maths	Maths Units	Skills	Non-negotiables
Great Women [3 weeks]	Florence Nightingale – link that she was a star mathematician [visual displays]			
Mini-beast [3 weeks]	Bee-bots [positional language, rotation, sequences]			