Maths Long Term Plan [Year 1]

Cycle 1				
Autumn Themes	Cross curricular maths	Maths Units	Skills	Non-negotiables
New Beginnings [2 weeks]	Data Handling– [favourite food... Interpret simple pictograms, tally charts, block diagrams and simple tables.	Identify and represent numbers using objects and pictorial representations (e.g. counting fruit).	Days of the week	
Pirates [2 weeks]	Co-ordinates [positional language] Vocab to describe position, direction and movement: rotation in terms of quarter, half and three quarter turns. Clockwise and anticlockwise. –going on a treasure hunt to find different coins – counting the amounts – purchasing pirate equipment. [Pirate shop] Money [recognise and use symbols for pounds and pence: combine amounts	Identify and represent numbers using objects and pictorial representations. (e.g. counting pirates) Language relating to times of the day (before, after, next, first, today, yesterday, tomorrow, morning, afternoon, evening) E.g. What does a pirate do in the morning? Recognise and know the value of different	Counting objects. What comes next? What is one more than? What is one less than?	Counting backwards and forwards to at least 30 starting from any number, bridging 10: Eg 9, 10, what comes next...?

	to make a particular value] Find different combinations of coins that equal the same amounts of money	denominations of coins and notes.		
Autumn [2 Weeks]	Sorting Venn diagrams [sorting leaves – colour, points on the leaves, size] –Create a leaf-o-gram.[season language – months of the year] Ask and answer simple questions by counting objects in categories. Ask and answer questions about totalling and comparing categorical data.	Counting to and across 30 / 50 / 121 forwards and backwards starting with 0 or 1 from any given number.(e.g. counting the class, counting leaves, counting berries) Read and write numbers from 1 to 10 / 20 in numerals. Recognise and use language relating to dates, including days of the week, months of the year, seasons and years. Read, write and interpret mathematical statements involving addition (+), subtractions (-) and equals (=) signs	Teach Tens and Units and the long and short ways of writing a number up to 30. 20 + 5 or 25 Finding numbers on a number track Concept of adding two groups. Concept of taking away.	Recognise PV of any 2-digit number up to 30

Great Fire of London [4 weeks]	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] Tea party at Samuel Peeps house [cutting sandwiches into halves and quarters, shapes] Selling and buying the cakes and sandwiches at the tea party] Recognise find name and write fractions 1/3 ¼ 2/4 ¾ of shape	Count, read and write numbers to 121 in numerals; count in multiples of twos, fives and tens. Given a number, identify one more and one less. Measures Mass / weight (heavy / light, heavier than / lighter than) Recognise, find and name a half as one of two equal parts of an object, shape or quantity.	Count, read and write numbers to 121 in numerals; count in multiples of twos, fives and tens. Adding two numbers together starting with the biggest number first (up to 20)	Count from 85 to 121 forwards and backwards (see below) Count to & across 121, forwards & backwards from any number. Adding two numbers: put the larger numbers first and count on in ones, beyond 10
Polar Bears [2 weeks]	Measures – one polar bear = how many children? Who is the tallest in the class? How much taller is the polar bear to that child…	Compare, describe and solve problems for lengths and heights (for example: long / short, longer / shorter, tall, short, double / half)	Counting in twos, fives and tens Odd and even numbers	Count in twos Knowing odd and even numbers to at least 10

Spring Themes	Cross curricular maths	Maths Units	Skills	Non-negotiables
India [5 weeks]	Creating an traditional rice dish using measures of rice, herbs, spices, veg.. [grams] Make a pattern using the shape of India Order and arrange combination of mathematical objects in patterns and sequences. Make a class graph of the countries pupils families come from.	Read and write numbers from 1 to 20 in numerals and words. Identify and represent numbers using objects and pictorial representations including the number line and use the language of: equal to, more than, less than (fewer), most, least. Telling the time O'clock and half past the hour. Draw hands on the clock face to show these times. Represent and use number bonds and related subtraction facts within 20.	Number bonds to 10 or 20 Ordering any two digit numbers. Place value of numbers Positioning numbers on a number line.	Know bonds to 10 by heart. Order four numbers below 100 Tell time to hour & half past.
Spring [2 weeks]	Time vocabulary	Compare, describe and solve practical problems for time (e.g. quicker, slower, earlier, later) Capacity and volume (full / empty, more than, less than, half, half full,	Times tables 2x 5x 10x Doubles up to double 10. Halves of even numbers to 20.	Know doubles to double 10

			quarter)	
Dinosaurs [5 weeks]	Properties of shapes Recognise and name common 2D and 3D shapes including: 2D shapes (rectangles - including squares, circles and triangles) 3D shapes (cuboids – including cubes, pyramids and spheres) Arrays for egg boxes	Add and subtract one-digit and two-digit numbers to 20, including zero. Solve one step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher. (e.g. There are 3 dinosaurs. Each dinosaur lays 5 eggs. How many eggs do they lay altogether?)	Revise all skills from Autumn and Spring terms above Number bonds to 20 Counting from any start number in twos, fives and tens	Use bonds & subtraction facts to 20. Count in multiples of 2, 5 & 10 to 120 from any number
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]	Counting to and across 30 / 50 / 120 forwards and backwards starting with 0 or 1 from any given number. Measures and begin to record the following: Lengths and heights (e.g. plants)	Times tables Making and reading arrays Finding half of and a quarter of any even number up to 30.	Recognise half and a quarter of objects, shape or quantity. Solve simple multiplication & division with apparatus & arrays with support from teacher

		Mass / weight Recognise, find and name a quarter as one of four equal parts of an object, shape or quantity.		Recall and use multiplication facts for the 2 X tables, & arrays.
Mini-beast [3 weeks]	Bee-bots [positional language, rotation, sequences]	Add and subtract one-digit and two-digit numbers to 20, including zero. Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as 7 = ? − 9. Measures and begin to record the following: Capacity / volume Time (hours, minutes, seconds)	Adding three single digit numbers using mental strategies. Adding TU + U or U + TU numbers mentally.	Add & subtract: 1 digit & 2 digit numbers to 20, including zero. Add any three 1-digit numbers with a total up to 20.