Nursery Maths LTP

	Autumn		Spring		Summer	
	Autumn 1	**Autumn 2**	**Spring 1**	**Spring 2**	**Summer 1**	**Summer 2**
N1	**Quality & Colour:** like, colour, blue, green, red, same as, too, black, white, yellow.	**Texture & Sound & Movement:** hard, soft, noisy, quiet/quietly, fast, slow, cold, dry, loud, soft, moving, quick, still.	**Size:** heavy, small, little, empty, fat, full, long, small, biggest.	**Quantity and number:** a bit, all, a lot, some, one two, another, many, no more, as much as, three, four, five, first, next.	**Shape & Space (prepositions):** dot, spot, line, round, by, inside, off, out, over, to, through, under, circle, flat, square, round, away, behind, bottom, forward, in front of, near, next to, outside, straight.	**Time:** again, now, after, soon, today.
Focus teaching on activities which develop the key vocabulary as taken from ELKAN's Linguistic Concepts. Introduce the words using the word aware strategy.						
N2	**Quality & Colour:** different, new, very, colour, orange, pink, purple, dark, light, darker, lighter.	**Texture & Sound & Movement:** furry, rough, smooth, warm, jerky, smooth, high, low.	**Size:** large, light, short, tall, thin, bigger, fattest, heaviest, longest, smallest, deep, narrow, shallow, thick, wide, fatter, heavier, longer, smaller, largest, lightest, shortest, tallest, thinnest.	**Quantity and number:** about, both, every, few, half, most, only, other, second, third, last.	**Shape & Space (prepositions):** cross, triangle, backwards, beside, between, far, front, high, low, middle, side, together, towards, above, across, against, below, facing, row, corner, curved, diamond, oval, rectangle, slant/slope, straight.	**Time:** always, before, later, yesterday
Level 3 and 4 words. Focus teaching on activities which develop the key vocabulary as taken from ELKAN's Linguistic Concepts. Be mindful to revisit and embed the Level 1 and 2 words which have been taught in Nursery 1 year.						

Reception Maths LTP

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn	Getting to Know You		Match, sort and compare		Talk about measure and patterns		It's me 1, 2, 3		Circles and Triangles	1, 2, 3, 4, 5		Shapes with 4 sides
Mastering Number focus	*Pupils will start to see that all numbers can be made of 1s and recognise quantities with number.*											
Fact Focus	*Recognising Numbers* *Number Songs*											
Spring	Alive in 5		Mass and Capacity	Growing 6, 7, 8		Length, height and time		Building 9 and 10			Explore 3D shapes	
Mastering Number focus	*Pupils will start to subitise within 5 and continue to verbally count to 20.*											
Fact focus	Add 2 to a single digit number						Add 0 to a single digit number				Add 10 to a single digit number	
Summer	To 20 and beyond		How many now?	Manipulate, compose and decompose		Sharing and grouping		Visualise, build and map			Make connections	*Consolidation*
Mastering Number focus	*Pupils will explore the composition of numbers within 10.*											
Fact focus	Doubles up to 10					Doubles up to 20				Bonds to 10		

Year 1 Maths LTP

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn	*Number* Place Value (within 10)					*Number* Addition and Subtraction (within 10)					*Geometry* Shape	*Consolidation*
Mastering Number focus	*Pupils will have an opportunity to consolidate the Early Learning Goals and continue to explore the composition of numbers within 10, and the position of these numbers in the linear number system (See additional LTP)*											
Fact Focus	*Recap EYFS facts*					*Add 1 to a single digit number*					*Add 0 to a single digit number*	
Spring	*Number* Place Value (within 20)			*Number* Addition and Subtraction (within 20)		*Number* Place Value (within 50)			*Measurement* Length and height		*Measurement* Mass and Volume	
Mastering Number focus	*Pupils will continue to explore the composition of numbers within 10 and explore addition and subtraction structures and the related language (without the use of symbols)*											
Fact focus	Add 2 to a single digit number					Add 0 to a single digit number					Add 10 to a single digit number	
Summer	*Number* Multiplication and division			*Number* Fractions		*Geometry* Position and Direction	*Number* Place value (within 100)		*Measurement* Money	*Measurement* Time		*Consolidation*
Mastering Number focus	*Pupils will explore the composition of numbers within 20 and their position in the linear number system. They will connect addition and subtraction expressions and equations to 'number stories').*											
Fact focus	Doubles up to 10					Doubles up to 20				Bonds to 10		

Year 2 Maths LTP

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn	*Number* Place Value				*Number* Addition and Subtraction					*Geometry* Shape		
Mastering Number focus	*Pupils will have an opportunity to consolidate their understanding and recall of number bonds within 10; they will re-cap the composition of the numbers 11 to 20 and reason about their position within the linear number system.*											
Fact Focus	*Recap EYFS facts*					*Review & Consolidate: Add 0 to a single digit number*				*Review & Consolidate: Add 1 to a single digit number*		
Spring	*Measurement* Money				*Number* Multiplication and Division				*Measurement* Length and Height	*Measurement* Mass, capacity and temperature		
Mastering Number focus	Pupils will have an opportunity to use their knowledge of the composition of numbers within 10 to calculate within 20; they will explore the links between the numbers in the linear number system within 10 to numbers within 100, focusing on multiples of 10 and the midpoint of 50.											
Fact focus	Add 2 to a single digit number					Near doubles						
Summer	*Number* Fractions				*Measurement* Time			Statistics	*Geometry* Position and Direction		*Consolidation*	
Mastering Number focus	Pupils will have further opportunities to use their knowledge of the composition of numbers within 10 to calculate within 20 and to reason about equations and inequalities.											
Fact focus	Bridge and compensating									Review and consolidate		

Year 3 Maths LTP

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn	*Number* Place Value			*Number* Addition and Subtraction					*Number* Multiplication and Division A			
Mastering Number focus	Pupils will have further opportunities to use their knowledge of the composition of numbers within 10 to calculate within 20 and to reason about equations and inequalities. Consolidation from Y2 Mastering Number											
Spring	*Number* Multiplication and Division B			*Measurement* Length and Perimeter			*Number* Fractions A			*Measurement* Mass and Capacity		
Summer	*Number* Fractions B		*Measurement* Money		*Measurement* Time			*Geometry* Shape		Statistics		

Year 4 Maths LTP

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn	*Number* Place Value				*Number* Addition and Subtraction			*Measurement* Area	*Number* Multiplication and Division A			*Consolidation*
Mastering Number focus	Pupils will have an opportunity to consolidate multiplication facts that have been the focus of learning in KS1 and year 3 such as doubles and the 5 and 10 times tables. They will explore multiplicative contexts and apply these facts to them and explore relationships between factors and associated products when looking at larger numbers. The use of gesture by the teacher and pupil will support with making connections.											
Spring	*Number* Multiplication and Division B			*Measurement* Length and Perimeter	*Number* Fractions					*Number* Decimals A		
Mastering Number focus	Pupils will explore the core multiplication facts focusing on becoming secure with two facts per week so that all are known and can be retrieved in a random order. As a class they will support one another to retrieve these facts and use a 'Going for Gold' approach so that all are known as an oral response rather than having to be derived. They will continue to develop multiplicative number sense looking at for example the magnitude and/or relationship of related products.											
Summer	*Number* Decimals B		*Measurement* Money		*Measurement* Time		*Consolidation*	*Geometry* Shape		Statistics		*Geometry* Position and Direction
Mastering Number focus	Pupils will continue to retrieve known facts focussing on those that are less secure. They will continue to apply facts to multiplicative contexts and connect both multiplication and division equations to represent the maths story. In particular, they will connect missing factor equations to division will sort and classify products into multiples and not multiples of a given number knowing that for example 38 ÷ 4 will not result in a whole number quotient because 38 is not a multiple of 4.											

Year 5 Maths LTP

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn	*Number* Place Value			*Number* Addition and Subtraction		*Number* Multiplication and Division A			*Number* Fractions A			
Mastering Number focus	Pupils will have an opportunity to consolidate multiplication facts that have been the focus of learning in previous years and use the core multiplication facts table (CMF) to practice those that are less secure. They will explore multiplicative contexts and scale known facts by 10 and 100 and explore relationships between factors and associated products when looking at larger numbers. The use of representations, such as arrays, and the use of gesture by the teacher and pupil will support pupils to see structure and to make connections.											
Spring	*Number* Multiplication and Division B			*Number* Fractions B		*Number* Decimals and percentages			*Measurement* Perimeter and area		Statistics	
Mastering Number focus	Pupils will continue to retrieve the core multiplication facts in a random order. They will practise these facts when using the written algorithms for multiplication and division. They will continue to develop multiplicative number sense and connect contexts to equations. When looking at division there will be a focus on remainders and knowledge of when a number is 1 more, 2 more etc. than a given multiple. They will continue to sort improper fractions into those that will give a whole number quotient and those that do not and use this knowledge to write improper fractions as mixed numbers and vice versa.											
Summer	*Geometry* Shape			*Geometry* Position and Direction		*Number* Decimals		*Geometry* Shape	*Number* Negative numbers	*Measurement* Converting units	*Measurement* Volume	
Mastering Number focus	Pupils will focus on multiplicative composition of number. When a context gives rise to more than two factors, they will use the associative and the commutative property of multiplication to make calculations more accessible. When working with larger numbers they will be encouraged to consider how they see the maths as you shift from one expression to another for example 3 × 72 to 3 × 73, and 3 x 72 to 4 x 72, being able to explain what each number represents. They will also make connections when number facts have been scaled by 10. For example, 5 × 6 = 30 ; 30 ÷ 5 = 6 and 50 × 6 = 300 ; 300 ÷ 5 = 6. They will also apply known facts to when a factor is 1 10 the size making connections to decimal fractions where the denominator of a unit fraction is a multiple of 10											

Year 6 Maths LTP

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn	*Number* Place Value		*Number* Addition and Subtraction					*Number* Fractions A		*Number* Fractions B		*Measurement* Converting units
Spring	*Number* Ration		*Number* Algebra		*Number* Decimals		*Number* Fractions, decimals and percentages	*Measurement* Area, perimeter and volume		Statistics		
Summer	*Geometry* Shape			*Geometry* Position and Direction		*Themed projects, consolidation and problem solving*						