Developing a strong grounding in number is essential so that all children develop the necessary building blocks to excel mathematically. Children should be able to count confidently, develop a deep understanding of the numbers to 10, the relationships between them and the patterns within those numbers.							
Mathematics – Prime Area							
	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2	Early Learning Goals
Nursery Skills	Show an understanding of counting 1:1. (5) Talk about and explore 2D shapes. Identify big and small/ Identify patterns in the environment.	Consistently count objects using 1:1 correspondence. (5) Develop fast recognition of up to 3 objects, without having to count them individually (subitising). Link numerals and amounts: showing the right number of objects to match the numeral, up to 5. Identify long and short/ taller and shorter Recognise a repeating ABAB pattern	Consistently count objects and actions using 1:1 correspondence. (8) Develop fast recognition of up to 3 objects, without having to count them individually (subitising). Show awareness of composition of numbers to 5 (using fingers) Count out a group of objects up to 5. Begin to use mathematical vocabulary to describe 2D shapes. Identify heavy and light/ more and less/	Consistently count objects, actions and sounds using 1:1 correspondence. (10) Use time related language (today, tomorrow, yesterday) Show composition of numbers to 5 (using fingers) Develop fast recognition of up to 3 objects, without having to count them individually (subitising). Count a group of objects up to 5 and match the numeral to each number.	Consistently count objects, actions and sounds using 1:1 correspondence. (10) Show composition of numbers to 5 (using fingers) Notice and correct an error in a repeating pattern. Count a group of objects up to 8 and match the numeral to each number. Recite numbers in sequence to 10. Develop fast recognition of up to 3 objects, without having to count them individually (subitising).	Consistently count objects, actions and sounds using 1:1 correspondence. (10) Show composition of numbers to 5 (using fingers) Count a group of objects up to 10 and match the numeral to each number. Recite numbers in sequence to 10 and beyond. Develop fast recognition of up to 6 objects, without having to count them individually (subitising).	

Nursery Knowledge	Know some number songs and rhymes Know number names in sequence to 5. Know basic 2D shapes. Talk about patterns in the environment. E.g. stripy/ spotty/ pointy	Know number songs and rhymes. Know number names in sequence to 5. Recognise numerals to 3. Know that the final number counted represents the total number of objects. Know how to compare two items by length or size. Create own ABAB pattern.	Know number songs and rhymes. Know number names in sequence to 10. Know that the final number counted represents the total number of objects. Recognise numerals to 5. Name 2D shapes and link to shapes in the environment. Combine shapes to make new ones.	Know some number songs and rhymes counting forwards and backwards. Know number names in sequence to 10. Recognise numerals to 10. Say number names backwards from 5. Use language to compare quantities using language more/ fewer/ less than. Talk about and explore 2D shapes using informal and mathematical language: (sides, corners, straight, flat, round).	Know some number songs and rhymes counting forwards and backwards. Say number names forwards and backwards from 10. Recognise numerals to 5. Solve real world mathematical problems with numbers up to 5. Talk about and explore 2D and 3D shapes using informal and mathematical language: (sides, corners, straight, flat, round). Know words to describe routes and locations. E.g. In front of/ behind.	Know some number songs and rhymes counting forwards and backwards. Say number names forwards and backwards from 10. Recognise numerals to 10. Solve real world mathematical problems with numbers up to 5. Talk about and explore 2D and 3D shapes using informal and mathematical language: (sides, corners, straight, flat, round). Use language to make comparisons between objects relating capacity. E.g. Full/ empty	

Reception							
	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2	Early Learning Goals

Reception Skills	Consistently count objects, actions and sounds using 1:1 correspondence. (10) Count forwards and backwards (10) Show composition of numbers to 5 (using objects) Count a group of objects up to 10 and match the numeral to each number. Develop fast recognition of up to 3/6 objects, without having to count them individually (subitising). Compare weight, length and capacity.	Consistently count objects, actions and sounds using 1:1 correspondence. (10) Count forwards and backwards (10) Show composition of numbers to 5 (using objects) Count a group of objects up to 10 and match the numeral to each number. Compare numbers (identify more and less) Fast recognition of up to 5 objects, without having to count them individually (subitising).	Consistently count objects, actions and sounds using 1:1 correspondence. (10) Count forwards and backwards (10) Show composition of numbers to 10 (using objects) Use objects to solve addition problems. Fast recognition of up to 5 objects, without having to count them individually (subitising).	Consistently count objects, actions and sounds using 1:1 correspondence. (10) Count forwards and backwards (10) Show composition of numbers to 10 (using objects) Use objects to solve subtraction problems. Fast recognition of up to 5 objects, without having to count them individually (subitising).	Count forwards and backwards, with different starting points. (Up to 10) Count concrete, pictorial and abstract representations of up to 10 objects with accuracy. Show composition of numbers to 10 (using objects) Use objects to solve addition and subtraction problems. Fast recognition of up to 6 objects, without having to count them individually (subitising). Match, rotate and manipulate shapes to develop spatial reasoning skills.	Count forwards and backwards, with different starting points. (Up to 10) Count concrete, pictorial and abstract representations of up to 10 objects with accuracy. Show composition of numbers to 10 (using objects) Use objects to solve addition and subtraction problems. Fast recognition of up to 6 objects, without having to count them individually (subitising). Share and group objects. Describe and create repeating patterns, correcting any errors. Retell an event using sequential language, in the correct order.	**<u>Number</u>** Have a deep understanding of number to 10, including the composition of each number. Subitise (recognise quantities without counting) up to 5. Automatically recall (without reference to rhymes, counting or other aids) number bonds up to 5 (including subtraction facts) and some number bonds to 10, including double facts. **<u>Numerical Patterns</u>** Verbally count beyond 20, recognising the pattern of the counting system. Compare quantities up to 10 in different contexts, recognising when one quantity is greater than, less than or the same as the other quantity. Explore and represent patterns

							within numbers up to 10, including evens and odds, double facts and how quantities can be distributed equally
Reception Knowledge	Know how to create own ABAB pattern. Recite number names in sequence to 10. Recognise numerals to 10 Fast recognition of up to 3 objects, without having to count them individually (subitising). Know how to write numerals 1-3 (using correct formation)	Know one more than a given number to 10. Recite numbers in sequence to 10 and beyond. Recognise numerals to 10 Fast recognition of up to 5 objects, without having to count them individually (subitising). Use and understand positional language. Know how to write numerals 1-3 (using correct formation) Know 2D shapes and use some mathematical language to describe them.	Know one less than a given number to 10. Recite numbers in sequence to 10 and beyond. Recognise numerals to 10 Know that addition involves combing two groups. Compare groups of objects. Use vocabulary to compare numbers: more than, less than, fewer, the same as, equal to. Compare numbers. Know which numbers are odd and even (making pairs) Use language to compare height and length.	Know that subtraction involves taking away an amount from the larger group. Know how to combine two groups to find the total. Compare numbers knowing bigger and smaller. Recite numbers in sequence to 20. Recognise numerals to 20. Identify and create ABB patterns. Use language to compare and describe weight. (Heavy/ heavier/ heaviest) Explore number bonds to 5.	Know how to use objects to solve addition and subtraction problems. (10) Use vocabulary to compare numbers: more than, less than, fewer, the same as, equal to. Recite numbers in sequence to 20. Recognise numerals to 20. Know number bonds to 5. Explore bonds to 10. Know that doubling means adding the same number. Compose and decompose shapes to recognise a shape can have other shapes	Know how to use objects to solve addition and subtraction problems. (10) Use vocabulary to compare numbers: more than, less than, fewer, the same as, equal to. Recite numbers in sequence to 20. Recognise numerals to 20. Know number bonds to 5. Explore bonds to 10. Know that doubling means adding the same number. Know that halving means splitting into two equal parts. Know how to measure height	

			Know how to write numerals 1-5 (using correct formation) Know how to write numerals 1-8 (using correct formation)	Talk about and describe 2D and 3D shapes. Know how to write numerals 1-10 (using correct formation)	within it (as numbers can). Know how to write numerals 1-10 (using correct formation)	and length using standard units. Know 2D and some 3D shapes using some mathematical language to describe them. Know how to recognise odd and even numbers. Know how to write numerals 1-10 (using correct formation)	