Nursery Maths Yearly Curriculum

Maths will be taught twice a week through planned adult-led sessions and also supported throughout each day during children's play.

Daily Practise:

- Days of the week song at the beginning of each session.
- Number rhymes
- Encouraging the use of mathematical language, such as tall, short, round etc.
- Have numbers displayed in provision to encourage recognition and matching quantities to numerals.
- Rote counting opportunities through play, hide and seek for example.



Autumn 2 3-4 Guidance **Counting Principles** number. 1-1 principle - Saying one number for each item in order 1,2,3,4,5. Encourage the children the strategy of lining up objects to touch count as they say each number for the individual object. The stable-order principle -Understanding the order of numbers through rote counting in games and number rhymes. Children can be encouraged to count beyond 5 when not counting objects. The cardinal principle -Knowing that the last number reached when counting a small set of objects tells you how mant there are in total. **Subitising** – Quick recognition of up to 3 objects without having to count.

Key Vocabulary **Count** – reciting numbers in order. Finding the cardinal **Numeral** – The written symbol for a number. The Cardinal Number- The number that identifies how many are in a set. "The cardinal number is..." How many? - The total/cardinal number. **Subitise** – To instantly recognise the quantity without the need to count. More than, fewer than - in talk of quantities of objects. **More than, less than** – in talk of number, for example "one is less than two."





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<u>Spring 2</u>	Key vocabulary	Rey Representations/Res	ources
3-4 Guidance		Numerals	Number Rhymes
Number and Place Value		1 2 3 4 5	
Number and Flace Value -	Count – reciting numbers in	-,2,0, ,,0	si s
understanding number (order. Finding the cardinal	Fingers	
Number Blocks Enisode 6	number.	to the the the the	
Counting and representing four.	Numeral – The written		
Number 4 in the environment	symbol for a number.	Five Frames	
Representing 4 using marks,	The Cardinal Number- The		
pictures and finger	manu are in a set "The		
Matching numeral to quantity	cardinal number is "	Natural/real life Objects	
• 4 is one more than 3	How manu? – The		
• Counting to 4	total/cardinal number.		
• The composition of 4, 2 is	Subitise – To instantly		
part of me, 3 is part of me, 1	recognise the quantity without	1 1 1	
is part of me.	the need to count.	Numicon	
• Recognition of 4 items	More than, fewer than – in		
counting (subitising)	talk of quantities of objects.		
counting (subtristing)	More than, less than – in		
Exploring and	talk of number, for example	Number Blocks	
understanding number 5	"four is less than five."	5	
Number Blocks Episode 7.			
Counting and representing five.		3	
Meet Five		🖌 🙀 . 💻	
• 5 is one more than 4		2 2 4	
· Counting to 5		1 🤓 🚺 🗖 🗖	
As above - including the			
compostion of 5, 3 is a part of		TT 25 11 -11 - 17	
me, 4 is a part of me, 2 is a part			
of me, 1 is a part of me.			
<u> </u>	1	1	

Summer 1 3-4 Guidance

Key Vocabulary

Shape and Space

Talk about and explore 2D and 3D shapes (for example, circles, rectangles, triangles and cuboids) using informal and mathematical language: 'sides', 'corners'; 'straight', 'flat', 'round'.

- Introduce 2D shapes names, properties and real life shapes in the environment
- Kim's Game what's the missing shape? Reinforce shape recognition and names.
- 2D shape hunt. Use shape cards as tools to match the shape.
- Introduce 3D shapes names, properties and real life shapes in the environment
- Sorting shapes by properties — pointy, flat, curved edges, straight edges, round.
- Combine shapes to make new ones - an arch, a bigger triangle, using 2 triangles to construct a square etc.

Pattern K. Pybus 2D Shape – a flat shape.3D Shape – a solid shape.

Adults to model vocabulary:

Edge, curve, straight, round, flat, corner, sides, faces. Pattern Repeating pattern

Key Representations/Resources Natural/real life Objects





Construction



Number Blocks

Creating patterns with a variety of objects, including natural materials, painting stripes, building blocks.



•	Talk about and identifu	
•	Taik about and identify	
	patterns all around them	
	e a strineu spottu	
•	Extend and create ABAB	
	nattorns	
	patterns	
•	Notice and correct an	
	error in a repeating	
	pattern	

Summer 2 3-4 Guidance

Key Vocabulary

Measurement

- Ordering our day
- Length and height
- Weight
- Capacity

Make comparisons between objects relating to size, length, weight and capacity. Adults to model and encourage the use of vocabulary – First, then, next, last. Taller, shorter. Heavy, heavier, heaviest. Light, lighter, lightest. Full, empty.

Key Representations/Resources





Using provision and natural material to compare and measure length.



Using scales and natural objects to compare weight.



Measure capacity indoors and outdoors using various items of provision.

