

Mathematics					
0-3 year olds (Pre -Nursery)					
Typically 0-12 months		Typically 1 to 2 years		Typically 2-3 years	
Topic 1 ...	Topic 2 ...	Topic 3 ..	Topic 1 ...	Topic 2 ...	Topic 3 ..
<ul style="list-style-type: none"> • Combine objects like stacking blocks and cups. • Put objects inside others and take them out again. • Climb and squeezing selves into different types of spaces. • Build with a range of resources 		<ul style="list-style-type: none"> • React to changes of amount in a group of up to three items • • Counting-like behaviour, such as making sounds, pointing or saying some numbers in sequence. • • Complete inset puzzles. 		<ul style="list-style-type: none"> • Take part in finger rhymes with numbers • Compare amounts, saying 'lots', 'more' or 'same'. • Count in everyday contexts, sometimes skipping numbers - '1-2-3-5.' • Notice patterns and arrange things in patterns. 	

Mathematics		
3- 4 year olds (Nursery)		
Autumn -	Spring -	Summer -
<ul style="list-style-type: none"> Show 'finger numbers' up to 5. Talk about and identifies the patterns around them. For example: stripes on clothes, designs on rugs and wallpaper. Use informal language like 'pointy', 'spotty', 'blobs' etc Understand position through words alone - for example, "The bag is under the table," - with no pointing. Select shapes appropriately: flat surfaces for building, a triangular prism for a roof etc. Name and recognise some 2D shapes (added to support Spring term not an official statement). 	<ul style="list-style-type: none"> say one number for each item in order: 1,2,3,4,5. Know that the last number reached when counting a small set of objects tells you how many there are in total (cardinal principle). Link numerals and amounts: for example, showing the right number of objects to match the numeral, up to 5 Experiment with their own symbols and marks as well as numerals. Discuss routes and locations, using words like 'in front of' and 'behind'. Talk about and explore 2D using informal and mathematical language: 'sides', 'corners'; 'straight', 'flat', 'round'. • Extend and create ABAB patterns - stick, leaf, stick, leaf. 	<ul style="list-style-type: none"> Recite numbers past 5 Combine shapes to make new ones - an arch, a bigger triangle etc. Talk about and explore 3D using informal and using informal and mathematical language: 'sides', 'corners'; 'straight', 'flat', 'round'. <ul style="list-style-type: none"> Notice and correct an error in a repeating pattern Begin to describe a sequence of events, real or fictional, using words such as 'first', 'then'. Solve real world mathematical problems with numbers up to 5. Compare quantities using language: 'more than', 'fewer than' Describe a familiar route Fast recognition of up to 3 objects, without having to count them individually ('subitising'). Make comparisons between objects relating to size, length, weight and capacity

Mathematics		
Reception Year		
Autumn -	Spring -	Summer -
<ul style="list-style-type: none"> Counts objects, actions and sounds. Link numeral with its cardinal number value. Subitise Select, rotate and manipulate shapes in order to develop spatial reasoning skills Compare lengths, weight and capacity Continue, copy and compare patterns 	<ul style="list-style-type: none"> Compare numbers Compare quantities up to 10 in different contexts, recognising one quantity is greater than, less than or the same as another. (ELG) Count beyond ten Understand the 'one more than/ one less than' relationship between consecutive numbers Explore composition on 10 Atomically recall number bonds for numbers to 10 Compose and decompose shapes so that children recognise a shape can have other shapes within it, just as numbers can. Subitise up to 5. 	<ul style="list-style-type: none"> Verbally count beyond 20, recognising the pattern of the counting system. Have a deep understanding of numbers to 10, including the composition of each number Automatically recall (without reference to rhymes, counting or other aids) number bonds up to 5 (including subtraction facts) and some number bonds up to 10, including double facts. Explore and represent patterns within numbers up to 10, including evens, odds, double facts and how quantities can be distributed equally.



<p>Number ELG 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.</p>	<p>Numerical Patterns ELG 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.</p>
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Overview 2020/21

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14
Autumn	Getting to Know You			Just Like Me!			It's Me 1 2 3!			Light and Dark			Consolidation	
Spring	Alive in 5!			Growing 6, 7, 8			Building 9 and 10			Consolidation				
Summer	On the Move			Superhero to 20 and Beyond			First then Now			Find my Pattern			Consolidation	

- We have divided the Reception Year into 10 Phases. Each phase roughly lasts 3 weeks long, allowing time for flexibility and consolidation.
- Each phase has a number focus and suggested links to measure, shape and spatial thinking.

EYFS Autumn 2020/21

Week 1	Week 2	Week 3		Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
<p>Getting to Know You</p> <p>Opportunities for settling in, introducing the areas of provision and getting to know the children.</p> <p>Key times of day, class routines. Exploring the continuous provision inside and out. Where do things belong? Positional language.</p>			Phase	Just Like Me!			It's Me 1 2 3!			Light and Dark		
			Number	Match and sort Compare amounts			Representing 1, 2 & 3 Comparing 1, 2 & 3 Composition of 1, 2 & 3			Representing numbers to 5. One more and less.		
			Measure, Shape and Spatial Thinking	Compare size, mass & capacity Exploring pattern			Circles and triangles Positional language			Shapes with 4 sides. Time		

Spring 2020/21

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9
Phase	Alive in 5!			Growing 6, 7, 8			Building 9 & 10		
Number	Introducing Zero Comparing Numbers to 5 Composition of 4 & 5			6, 7 & 8 Making Pairs Combining 2 Groups			9 & 10 Comparing Numbers to 10 Bonds to 10		
Measure, Shape and Spatial Thinking	Compare Mass (2) Compare Capacity (2)			Length & Height Time			3d-Shape Pattern (2)		

Summer 2020/21

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Phase	To 20 and Beyond			First Then Now			Find my Pattern			On the Move		
Number	Building Numbers Beyond 10 Counting Patterns Beyond 10			Adding More Taking Away			Doubling Sharing & Grouping Even and Odd			Deepening Understanding Patterns and Relationships		
Spatial Reasoning	Spatial Reasoning (1) Match, Rotate, Manipulate			Spatial Reasoning (2) Compose and Decompose			Spatial Reasoning (3) Visualise and Build			Spatial Reasoning (4) Mapping		