



Long Term Planning Document
For
Mathematics



	<u>Autumn 1</u>	<u>Autumn 2</u>	<u>Spring 1</u>	<u>Spring 2</u>	<u>Summer 1</u>	<u>Summer 2</u>
<p>Number and Numerical Patterns</p> <p>Intent Vocabulary Implementation</p>	<p>To recognise, name and match colours. To begin to show an interest in counting aloud verbally to 5. To be able to 'give 1' when asked.</p> <p>Count, number, one, colour, colour names, number songs.</p> <p>Adults providing colour matching activities and modelling naming colours, adults to model counting out during various activities and daily routines, adults to ask children for one of something and support children who are still learning to do this.</p>	<p>To be able to verbally count to 5 with developing accuracy. To develop an understanding of '2' e.g. giving 2 items or noticing 2 in the environment.</p> <p>Count, number, one, two, number songs.</p> <p>Adults to model counting out during various activities and daily routines, adults to ask children for two of something and support children who are still learning to do this.</p>	<p>To begin to be able to verbally count to 10 with developing accuracy. To develop an understanding of '3' e.g. giving 3 items or noticing 3 in the environment. To begin to compare quantities that are significantly more than and less/ fewer than visually without counting them.</p> <p>Count, number, one, two, three, number songs, more, less.</p> <p>Adults to model counting out during various activities and daily routines, adults to ask children for three of something and support children who are still learning to do this, activities based on more than and fewer than.</p>	<p>To verbally count to 10 with developing accuracy. To develop an understanding of '4' e.g. giving 4 items or noticing 4 in the environment. To compare quantities that are significantly more and less visually without counting them.</p> <p>Count, number, one, two, three, four, number songs, more, less.</p> <p>Adults to model counting out during various activities and daily routines, adults to ask children for four of something and support children who are still learning to do this, activities based on more than and fewer than.</p>	<p>To accurately count to 10. To develop an understanding of '5' e.g. giving 5 items or noticing 5 in the environment. To play simple dice and track games developing Subitising skills.</p> <p>Count, number, one, two, three, four, five, number songs, dice, die, track, counting on, subitise, without counting, number bonds, different counting.</p> <p>Adults to model counting out during various activities and daily routines, adults to ask children for five of something and support children who are still learning to do this, dice and track guided activities and within the nursery provision.</p>	<p>To begin to understand that 5 can be shown in different ways. To begin to subitise to 5. To count to 10 and beyond.</p> <p>Count, number, one, two, three, four, five, number songs, dice, die, track, counting on, subitise, without counting, number bonds, different counting.</p> <p>Children showing 5 on their fingers in different ways e.g. how many fingers are up and how many are down, children Subitising using dice, numicon or dot cards, children counting to 10 and beyond during games, in adult guided groups or independently in play.</p>
<p>Shape, Space and Measure</p> <p>Intent Vocabulary Implementation</p>	<p>To be able to play with shapes and begin to make pictures with these. To build a simple jigsaw.</p> <p>Shape, shape names, together, new shape, pictures and images,</p>	<p>To begin to describe the height and size of something using the terms 'tall' or 'short' and 'big' or 'small'.</p> <p>Compare, big, small, tall, short, different.</p> <p>Adults modelling the use of vocabulary,</p>	<p>To use positional language 'in', 'out', 'on'. To find shapes in the environment. To use 3D shapes to build models.</p> <p>In, out, on, shape, shape names, 3d shape, shape names, build, model, flat</p>	<p>To use the terms 'long' and 'short' when describing height and size. To understand and follow the instructions 'forwards' and 'backwards'.</p>	<p>To begin to understand what a pattern is and follow a 2 part simple pattern. To begin to describe and name some simple shapes – circle, square, triangle.</p>	<p>To describe weight using 'heavy, light. To copy or create a 2 part pattern. To understand and use a range of prepositional language.</p> <p>Heavy, light, weight, heavier, lighter, pattern,</p>

<p>jigsaw, missing, turn, tessellate.</p> <p>Children to have access to shapes to play with and build pictures with, children to have access to puzzles to complete.</p>	<p>children completing activities based on height and size comparison.</p>	<p>surface, smooth surface, curved surface.</p> <p>Adults modelling the use of positional language. 3D Shapes available in provision for children to build with – adults modelling this and modelling the use of curves shapes Vs flat shapes.</p>	<p>Long, short, describe, compare, height, size, forwards, backwards.</p> <p>Adults modelling the use of language, modelling forwards and backwards and playing games involving the skill.</p>	<p>Pattern, repeat, colour names, follow, copy, name, describe, shape, shape names, circle, square, triangle.</p> <p>Adults explaining what a pattern is and the rules of a repeating pattern, patterns in provision and activities, shapes for children to play with and use.</p>	<p>colour, repeat, up, down, under, on top, near, next to, across.</p> <p>Children taking part in weight exploration tasks, children completing pattern tasks in guided activities, adults modelling prepositional language and supporting children to use these terms too.</p>
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Nursery

Reception

	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 term	Getting to know you		Match, sort and compare FREE TRIAL VIEW	Talk about measure and patterns VIEW	It's me 1, 2, 3 VIEW		Circles and triangles VIEW	1, 2, 3, 4, 5 VIEW		Shapes with 4 sides VIEW		
Spring term	Alive in 5 VIEW	Mass and capacity VIEW	Growing 6, 7, 8 VIEW	Length, height and time VIEW	Building 9 and 10 VIEW		Explore 3-D shapes VIEW					
Summer term	To 20 and beyond VIEW	How many now? VIEW	Manipulate, compose and decompose VIEW	Sharing and grouping VIEW	Visualise, build and map VIEW		Make connections VIEW	Consolidation				

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Year

	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
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	
Summer	Number Multiplication and division			Number Fractions		Geometry Position and direction	Number Place value (within 100)		Measurement Money	Measurement Time		Consolidation

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Year

	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			
Spring	Measurement Money		Number Multiplication and division				Measurement Length and height		Measurement Mass, capacity and temperature			
Summer	Number Fractions			Measurement Time			Statistics		Geometry Position and direction		Consolidation	

Year

3

	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				
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		Consolidation

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Year

	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
Spring	Number Multiplication and division B			Measurement Length and perimeter		Number Fractions			Number Decimals A			
Summer	Number Decimals B		Measurement Money		Measurement Time		Consolidation	Geometry Shape		Statistics	Geometry Position and direction	

Year 5

5

	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			
Spring	Number Multiplication and division B			Number Fractions B		Number Decimals and percentages			Measurement Perimeter and area		Statistics	
Summer	Geometry Shape			Geometry Position and direction		Number Decimals			Number Negative numbers	Measurement Converting units		Measurement Volume

Year 6

6

	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, subtraction, multiplication and division					Number Fractions A		Number Fractions B		Measurement Converting units
Spring	Ratio		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							