

# Lingfield Education Trust

## Maths Medium-Term Plan: Reception

### Autumn Term

	Getting to Know You	Match, Sort & Compare	Talk About Measure & Patterns	It's Me 1,2,3	Circles & Triangles	1,2,3,4,5	Shapes With 4 Sides	Consolidation
	2 weeks	2 weeks	2 weeks	2 weeks	1 week	2 weeks	1 week	3 weeks
National Curriculum	<p><b>Development Matters</b></p> <ul style="list-style-type: none"> <li>Understand how to listen carefully and why listening is important.</li> <li>Listen to and talk about stories to build familiarity and understanding.</li> <li>Build constructive and respectful relationships.</li> <li>Express their feelings and consider the feelings of others.</li> </ul> <p><b>Birth to 5 matters</b></p> <ul style="list-style-type: none"> <li>R4: Uses language to share feelings, experiences and thoughts</li> </ul>	<p><b>Development Matters</b></p> <ul style="list-style-type: none"> <li>Compare numbers.</li> </ul> <p><b>Birth to 5 Matters</b></p> <ul style="list-style-type: none"> <li>R5: Compares two small groups of up to five objects, saying when there are the same number of objects in each group.</li> </ul>	<p><b>Development Matters</b></p> <ul style="list-style-type: none"> <li>Make comparisons between objects relating to size, length, weight and capacity.</li> </ul> <p><b>Birth to 5 Matters</b></p> <ul style="list-style-type: none"> <li>R4: Explores differences in size, length, weight and capacity.</li> </ul>	<p><b>Development Matters</b></p> <ul style="list-style-type: none"> <li>Count objects, actions and sounds. Link the number symbol (numeral) with its cardinal number value.</li> </ul> <p><b>Birth to 5 Matters</b></p> <ul style="list-style-type: none"> <li>R5: Links numerals with amounts up to 5 and maybe beyond.</li> </ul>	<p><b>Development Matters</b></p> <ul style="list-style-type: none"> <li>Talk about and explore 2D and 3D shapes (for example, circles, rectangles, triangles and cuboids) using informal and mathematical language.</li> </ul> <p><b>Birth to 5 Matters</b></p> <ul style="list-style-type: none"> <li>Range 6 – Uses informal language and analogies, (e.g. heart-shaped and hand-shaped leaves), as well as mathematical terms to describe shapes</li> </ul>	<p><b>Development Matters</b></p> <ul style="list-style-type: none"> <li>Count objects, actions and sounds. Link the number symbol (numeral) with its cardinal number value.</li> </ul> <p><b>Birth to 5 Matters</b></p> <ul style="list-style-type: none"> <li>R5: Links numerals with amounts up to 5 and maybe beyond.</li> </ul>	<p><b>Development Matters</b></p> <ul style="list-style-type: none"> <li>Talk about and explore 2D and 3D shapes (for example, circles, rectangles, triangles and cuboids) using informal and mathematical language.</li> </ul> <p><b>Birth to 5 Matters</b></p> <ul style="list-style-type: none"> <li>R6: Uses informal language and analogies, (e.g. heart-shaped and hand-shaped leaves), as well as mathematical terms to describe shapes.</li> </ul>	<p>Use these weeks for extra time for:</p> <ul style="list-style-type: none"> <li>curriculum coverage</li> <li>revisit less secure areas</li> <li>pre-teach for next term</li> <li>extra Number Sense</li> </ul>
Small Steps	<p>Number</p> <ul style="list-style-type: none"> <li>Opportunities for settling in, introducing the areas of the provision and getting to know the children.</li> </ul> <p>SSM</p> <ul style="list-style-type: none"> <li>Key times of day, class routines. Exploring the provision area inside and out. Where do things belong? Positional language.</li> </ul>	<ul style="list-style-type: none"> <li>Match objects</li> <li>Match pictures and objects</li> <li>Identify a set</li> <li>Sort objects to a type</li> <li>Explore sorting techniques</li> <li>Create sorting rules</li> <li>Compare amounts</li> </ul>	<ul style="list-style-type: none"> <li>Compare size</li> <li>Compare mass</li> <li>Compare capacity</li> <li>Explore simple patterns</li> <li>Copy and continue simple patterns</li> <li>Create simple patterns</li> </ul>	<ul style="list-style-type: none"> <li>Find 1, 2 and 3</li> <li>Subitise 1, 2 and 3</li> <li>Represent 1, 2 and 3</li> <li>1 more</li> <li>1 less</li> <li>Composition of 1, 2 and 3</li> </ul>	<p><b>Use Number Sense subitise / composition animations during this block as starters to keep it fresh</b></p> <ul style="list-style-type: none"> <li>Identify and names circles</li> <li>Identify and name circles</li> <li>Compare circles</li> <li>Compare triangles</li> <li>Shapes in the environment</li> <li>Describe position</li> </ul>	<ul style="list-style-type: none"> <li>Find 4 and 5</li> <li>Subitise 4 and 5</li> <li>Represent 4 and 5</li> <li>1 more</li> <li>1 less</li> <li>Composition of 4 and 5</li> <li>Composition of 1 - 5</li> </ul>	<p><b>Use Number Sense subitise / composition animations during this block as starters to keep it fresh</b></p> <ul style="list-style-type: none"> <li>Identify and name shapes with 4 sides</li> <li>Combine shapes with 4 sides</li> <li>Shapes in the environment</li> <li>My day and night</li> </ul>	
Enrichment				World Statistics Day (20.10.23)				LET Christmas Problems & Puzzles

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**Maths Medium-Term Plan: Reception**  
 Spring Term

	Alive in 5	Mass & Capacity	Growing 6,7,8	Length, Height & Time	Building 9 and 10	Explore 3D Shapes	Consolidation
	2 weeks	1 week	2 weeks	2 weeks	3 weeks	2 weeks	1 week
National Curriculum	<p><b>Development Matters</b></p> <ul style="list-style-type: none"> <li>Explore the composition of numbers to 10.</li> <li>Understand the 'one more than/one less than' relationship between consecutive numbers.</li> <li>Count objects, actions and sounds.</li> <li>Subitise.</li> <li>Link the number symbol (numeral) with its cardinal number value.</li> </ul> <p><b>Birth to 5 Matters</b></p> <ul style="list-style-type: none"> <li>R5: Through play and exploration, beginning to learn that numbers are made up (composed) of smaller numbers • Beginning to use understanding of number to solve practical problems in play and meaningful activities</li> <li>R5: Beginning to recognise that each counting number is one more than the one before</li> <li>R5: Separates a group of three or four objects in different ways, beginning to recognise that the total is still the same</li> </ul>	<p><b>Development Matters</b></p> <ul style="list-style-type: none"> <li>Compare length, weight and capacity</li> </ul> <p><b>Birth to 5 Matters</b></p> <ul style="list-style-type: none"> <li>R6: Enjoys tackling problems involving prediction and discussion of comparisons of length, weight or capacity, paying attention to fairness and accuracy</li> <li>R6: Becomes familiar with measuring tools in everyday experiences and play</li> </ul>	<p><b>Development Matters</b></p> <ul style="list-style-type: none"> <li>Explore the composition of numbers to 10.</li> <li>Understand the 'one more than/one less than' relationship between consecutive numbers.</li> <li>Count objects, actions and sounds.</li> <li>Subitise.</li> <li>Link the number symbol (numeral) with its cardinal number value.</li> </ul> <p><b>Birth to 5 Matters</b></p> <ul style="list-style-type: none"> <li>R5: Through play and exploration, beginning to learn that numbers are made up (composed) of smaller numbers • Beginning to use understanding of number to solve practical problems in play and meaningful activities</li> <li>R5: Beginning to recognise that each counting number is one more than the one before</li> <li>R5: Separates a group of three or four objects in different ways, beginning to recognise that the total is still the same</li> </ul>	<p><b>Development Matters</b></p> <ul style="list-style-type: none"> <li>Compare length, weight and capacity</li> </ul> <p><b>Birth to 5 Matters</b></p> <ul style="list-style-type: none"> <li>R6: Enjoys tackling problems involving prediction and discussion of comparisons of length, weight or capacity, paying attention to fairness and accuracy</li> <li>R6: Becomes familiar with measuring tools in everyday experiences and play</li> </ul>	<p><b>Development Matters</b></p> <ul style="list-style-type: none"> <li>Explore the composition of numbers to 10.</li> <li>Understand the 'one more than/one less than' relationship between consecutive numbers.</li> <li>Count objects, actions and sounds.</li> <li>Subitise.</li> <li>Link the number symbol (numeral) with its cardinal number value.</li> </ul> <p><b>Birth to 5 Matters</b></p> <ul style="list-style-type: none"> <li>R5: Through play and exploration, beginning to learn that numbers are made up (composed) of smaller numbers • Beginning to use understanding of number to solve practical problems in play and meaningful activities</li> <li>R5: Beginning to recognise that each counting number is one more than the one before</li> <li>R5: Separates a group of three or four objects in different ways, beginning to recognise that the total is still the same</li> </ul>	<p><b>Development Matters</b></p> <ul style="list-style-type: none"> <li>Continue, copy and create repeating patterns.</li> <li>Compose and decompose shapes so that children recognise a shape can have other shapes within it, just as numbers can.</li> <li>Select, rotate and manipulate shapes to develop spatial reasoning skills.</li> </ul> <p><b>Birth to 5 Matters</b></p> <ul style="list-style-type: none"> <li>R6: Uses informal language and analogies, (e.g. heart-shaped and hand-shaped leaves), as well as mathematical terms to describe shapes</li> <li>R6: Enjoys composing and decomposing shapes, learning which shapes combine to make other shapes</li> </ul>	<p>Use these weeks for extra time for:</p> <ul style="list-style-type: none"> <li>curriculum coverage</li> <li>revisit less secure areas</li> <li>pre-teach for next term</li> <li>extra Number Sense</li> </ul>
Small Steps	<ul style="list-style-type: none"> <li>Introduce zero</li> <li>Find 0 to 5</li> <li>Subitise 0 to 5</li> <li>Represent 0 to 5</li> <li>1 more</li> <li>1 less</li> <li>Composition</li> <li>Conceptual subitising to 5</li> </ul>	<p><b>Use Number Sense subitise / composition animations during this block as starters to keep it fresh</b></p> <ul style="list-style-type: none"> <li>Compare mass</li> <li>Find a balance</li> <li>Explore capacity</li> <li>Compare capacity</li> </ul>	<ul style="list-style-type: none"> <li>Find 6, 7 and 8</li> <li>Represent 6, 7 and 8</li> <li>1 more</li> <li>1 less</li> <li>Composition of 6, 7 and 8</li> <li>Make pairs-odd and even</li> <li>Double to 8 (find a double)</li> <li>Double to 8 (make a double)</li> <li>Combine 2 groups</li> <li>Conceptual subitising</li> </ul>	<p><b>Use Number Sense subitise / composition animations during this block as starters to keep it fresh</b></p> <ul style="list-style-type: none"> <li>Explore length</li> <li>Compare length</li> <li>Explore height</li> <li>Compare height</li> <li>Talk about time</li> <li>Order and sequence time</li> </ul>	<ul style="list-style-type: none"> <li>Find 9 and 10</li> <li>Compare numbers to 10</li> <li>Represent 9 and 10</li> <li>Conceptual subitising to 10</li> <li>1 more</li> <li>1 less</li> <li>Composition to 10</li> <li>Bonds to 10 (2 parts)</li> <li>Make arrangements of 10</li> <li>Bonds to 10 (3 parts)</li> <li>Doubles to 10 (find a double)</li> <li>Explore even and odd</li> </ul>	<p><b>Use Number Sense subitise / composition animations during this block as starters to keep it fresh</b></p> <ul style="list-style-type: none"> <li>Recognise and name 3-D shapes</li> <li>Find 2-D shapes within 3-D shapes</li> <li>Use 3-D shapes for tasks</li> <li>3-D shapes in the environment</li> <li>Identify more complex patterns</li> <li>Copy and continue patterns</li> <li>Patterns in the environment</li> </ul>	
Enrichment		International Puzzle Day (29.01.24)	NSPCC Number Day (02.02.24)		World Maths Day (23.03.24)		LET Easter Problems & Puzzles

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 Summer Term

	To 20 And Beyond	How many Now?	Manipulate, Compose & Decompose	Sharing & Grouping	Visualise, Build & Map	Make Connections	Consolidation
	2 weeks	1 week	2 weeks	2 weeks	3 weeks	1 week	1 week
National Curriculum	<p><b>Development Matters</b></p> <ul style="list-style-type: none"> <li>Count beyond ten.</li> <li>Count objects, actions and sounds.</li> <li>Link the number symbol (numeral) with its cardinal number value.</li> </ul> <p><b>Birth to 5 Matters</b></p> <ul style="list-style-type: none"> <li>R6: Shows awareness that numbers are made up (composed) of smaller numbers, exploring partitioning in different ways with a wide range of objects</li> <li>R6: Begins to conceptually subitise larger numbers by subitising smaller groups within the number, e.g. sees six raisins on a plate as three and three</li> <li>R6: In practical activities, adds one and subtracts one with numbers to 10</li> </ul>	<p><b>Development Matters</b></p> <ul style="list-style-type: none"> <li>Understand the 'one more than/one less than' relationship between consecutive numbers.</li> <li>Count objects, actions and sounds.</li> </ul> <p><b>Birth to 5 Matters</b></p> <ul style="list-style-type: none"> <li>R6: In practical activities, adds one and subtracts one with numbers to 10</li> </ul>	<p><b>Development Matters</b></p> <ul style="list-style-type: none"> <li>Compose and decompose shapes so that children recognise a shape can have other shapes within it, just as numbers can.</li> <li>Select, rotate and manipulate shapes to develop spatial reasoning skills.</li> </ul> <p><b>Birth to 5 Matters</b></p> <ul style="list-style-type: none"> <li>R6: Uses informal language and analogies, (e.g. heart-shaped and hand-shaped leaves), as well as mathematical terms to describe shapes</li> <li>R6: Enjoys composing and decomposing shapes, learning which shapes combine to make other shapes</li> </ul>	<p><b>Development Matters</b></p> <ul style="list-style-type: none"> <li>Count beyond ten.</li> <li>Count objects, actions and sounds.</li> <li>Link the number symbol (numeral) with its cardinal number value.</li> </ul> <p><b>Birth to 5 Matters</b></p> <ul style="list-style-type: none"> <li>R6: Shows awareness that numbers are made up (composed) of smaller numbers, exploring partitioning in different ways with a wide range of objects</li> <li>R6: Begins to conceptually subitise larger numbers by subitising smaller groups within the number, e.g. sees six raisins on a plate as three and three</li> <li>R6: In practical activities, adds one and subtracts one with numbers to 10</li> </ul>	<p><b>Development Matters</b></p> <ul style="list-style-type: none"> <li>Continue, copy and create repeating patterns.</li> </ul> <p><b>Birth to 5 Matters</b></p> <ul style="list-style-type: none"> <li>R6: Spots patterns in the environment, beginning to identify the pattern "rule"</li> <li>R6: Chooses familiar objects to create and recreate repeating patterns beyond AB patterns and begins to identify the unit of repeat</li> </ul>	<p><b>Development Matters</b></p> <ul style="list-style-type: none"> <li>Continue, copy and create repeating patterns.</li> </ul> <p><b>Birth to 5 Matters</b></p> <ul style="list-style-type: none"> <li>R6: Spots patterns in the environment, beginning to identify the pattern "rule"</li> <li>R6: Chooses familiar objects to create and recreate repeating patterns beyond AB patterns and begins to identify the unit of repeat</li> </ul>	<p>Use these weeks for extra time for:</p> <ul style="list-style-type: none"> <li>curriculum coverage</li> <li>revisit less secure areas</li> <li>pre-teach for next term</li> <li>extra Number Sense</li> </ul>
Small Steps	<ul style="list-style-type: none"> <li>Build numbers beyond 10 (10-13)</li> <li>Continue patterns beyond 10 (10-13)</li> <li>Build numbers beyond 10 (14-20)</li> <li>Continue patterns beyond 10 (14-20)</li> <li>Verbal counting beyond 20</li> <li>Verbal counting patterns</li> </ul>	<p><b>Use Number Sense subitise / composition animations during this block as starters to keep it fresh</b></p> <ul style="list-style-type: none"> <li>Add more</li> <li>How many did I add?</li> <li>Take away</li> <li>How many did I take away?</li> </ul>	<p><b>Use Number Sense subitise / composition animations during this block as starters to keep it fresh</b></p> <ul style="list-style-type: none"> <li>Select shapes for a purpose</li> <li>Rotate shapes</li> <li>Manipulate shapes</li> <li>Explain shape arrangements</li> <li>Compose shapes</li> <li>Decompose shapes</li> <li>Copy 2-D shape pictures</li> <li>Find 2-D shapes within 3-D shapes</li> </ul>	<p><b>Use Number Sense subitise / composition animations during this block as starters to keep it fresh</b></p> <ul style="list-style-type: none"> <li>Explore sharing</li> <li>Sharing</li> <li>Explore grouping</li> <li>Grouping</li> <li>Even and odd sharing</li> <li>Play with and build doubles</li> </ul>	<p><b>Use Number Sense subitise / composition animations during this block as starters to keep it fresh</b></p> <ul style="list-style-type: none"> <li>Identify units of repeating patterns</li> <li>Create own pattern rules</li> <li>Explore own pattern rules</li> <li>Replicate and build scenes and constructions</li> <li>Visualise from different positions</li> <li>Describe positions</li> <li>Give instructions to build</li> <li>Explore mapping</li> <li>Represent maps with models</li> <li>Create own maps from familiar places</li> <li>Create own maps and plans from story situations</li> </ul>	<p><b>Use Number Sense subitise / composition animations during this block as starters to keep it fresh</b></p> <ul style="list-style-type: none"> <li>Deepen understanding</li> <li>Patterns and relationships</li> </ul>	
Enrichment		Women in Maths Day (12.05.24)	National Numeracy Day (15.05.24)	My Money Week (12-16.06.24)	Alan Turing Day (23.06.24)		LET Summer Problems & Puzzles