

Math's Long term plan

Autumn 1 - Marvelous Me		
Week	Week Theme	Learning Objective
Week 1	Number songs and rhymes (Settling week/Half Days)	<p>BASELINE ASSESSMENT Activities linked to baseline.</p>
Week 2	Puzzles, colour and shape. (Settling Week 2)	<p>BASELINE ASSESSMENT Activities linked to baseline.</p> <p>3 years</p> <ul style="list-style-type: none"> • Notice patterns and arrange things in patterns. • Complete puzzles.
Week 3	Numbers to 5 (Full time)	<p>3-4</p> <ul style="list-style-type: none"> • Fast recognition of up to 3 objects, without having to count them individually ('subitising'). • Recite numbers past 5. • Say one number for each item in order: 1,2,3,4,5. • Show 'finger numbers' up to 5.
Week 4	Numbers to 5	<p>3-4 Years</p> <ul style="list-style-type: none"> • Fast recognition of up to 3 objects, without having to count them individually ('subitising'). • Recite numbers past 5. • Say one number for each item in order: 1,2,3,4,5. <p>Show 'finger numbers' up to 5.</p> <ul style="list-style-type: none"> • 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.

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<p>Week 5 w/c 27th</p>	<p>Numbers to 5</p>	<p><u>3-4 years</u></p> <ul style="list-style-type: none"> • Fast recognition of up to 3 objects, without having to count them individually ('subitising'). • Recite numbers • 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'). • Show 'finger numbers' to 5. • Link numerals and amounts: for example, showing the right number of objects to match the numeral, to 5. • Experiment with their own symbols and marks as well as numerals. • Solve real world mathematical problems with numbers up to 5. • Compare quantities using language: 'more than', 'fewer than'.
<p>Week 6</p>	<p>Numbers to 5</p>	<p><u>3-4 Years</u></p> <ul style="list-style-type: none"> • Fast recognition of up to 3 objects, ('subitising'). • Recite numbers past 5. • Say one number for each item in order: • Know that the last number reached when counting a small set of objects tells you how many there are in total ('cardinal principle'). • Show 'finger numbers' to 5. • Link numerals and amounts: for example, showing the right number of objects to match the numeral, to 5.
<p>Week 7</p>	<p>Subitising</p>	<p><u>3-4 years</u></p> <ul style="list-style-type: none"> • Compare quantities using language: 'more than', 'fewer than'. • Solve real world mathematical problems with numbers up to 5
<p>Week 8</p>	<p>ASSESSMENT</p>	<p style="text-align: center;"><u>ASSESSMENT</u></p>

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Autumn 2 – Around the World		
Week 1	Number recognition Number sense '1'	<ul style="list-style-type: none"> • Count objects, actions and sounds. • Subitise. • Link the number symbol (numeral) with its cardinal number value
Week 2	Adding and combining groups Number sense '2'	<ul style="list-style-type: none"> • explore adding groups using objects (to support number bonds later on).
Week 3	One more Number sense '3'	<ul style="list-style-type: none"> • Understands the one more than/one less than relationship between consecutive numbers
Week 4	One less Number sense '4'	<ul style="list-style-type: none"> • Understands the one more than/one less than relationship between consecutive numbers
Week 5	Shape 2D Number sense '5' <u>Introduce money and concept (CP)</u>	<ul style="list-style-type: none"> • 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'
Week 6	Shapes 3D Number sense '6' <u>Compare Weight (CP)</u>	<ul style="list-style-type: none"> • 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'

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Week 7	ASSESSMENT Number sense '6'	ASSESSMENT
Spring 1		
Week 1	Patterns Number sense '7'	<p style="text-align: center;">3-4 years</p> <ul style="list-style-type: none"> • Extend and create ABAB patterns (stick, leaf, stick, leaf) • Notice and correct an error in a repeating pattern. • Also talk about patterns in the environment <p style="text-align: center;">4-5years</p> <ul style="list-style-type: none"> • Continue, copy and create • Combing groups practically
Week 2	Adding and combining groups Number sense '8'	<ul style="list-style-type: none"> • Combing groups practically
Week 3	Subtracting Number sense '9'	<ul style="list-style-type: none"> • Subtracting practically
Week 4	Number bonds Number sense '10'	<ul style="list-style-type: none"> • Number bonds to 5
Week 5	Number bonds Number sense '0'	<ul style="list-style-type: none"> • Number bonds to 10

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Week 6	ASSESSMENT	ASSESSMENT
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Spring 2		
Week 1	Estimating and checking by counting Review number sense	<ul style="list-style-type: none"> • Comparing estimatings/numbers • Subtise • Count beyond 10
Week 2	Addition and recording in own ways Number sense '11'	<ul style="list-style-type: none"> • Recording in own ways • Addition by counting on
Week 3	Subtraction and recording in own ways Number sense '12'	<ul style="list-style-type: none"> • Recording in own ways
Week 4	Doubling Number sense '13'	<ul style="list-style-type: none"> • Automatically recall number facts including double facts. • Explore and represent patterns within numbers including double facts.
Week 5	Sharing and halving Number sense '14'	<ul style="list-style-type: none"> • Explore and represent patterns within numbers including how quantities can be distributed equally

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Week 6	Odd and even Number sense '15' <i>Positional language as CP</i>	<ul style="list-style-type: none"> Understands position through words alone and describes a familiar route. ELG: Number Patterns <ul style="list-style-type: none"> Explore and represent patterns within numbers up to 10, including evens and odds,
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Summer 1		
Week 1	Addition Formally recording Number sense '16'	ELG: <ul style="list-style-type: none"> 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.
Week 2	Subtraction Formally recording Number sense '17'	ELG: <ul style="list-style-type: none"> 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.

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Week 3	<p style="text-align: center;">Number bonds to 10 Number sense '18'</p>	<p>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>
Week 4	<p style="text-align: center;">Include subtraction facts Number sense '19'</p>	<p>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>
Week 5	<p style="text-align: center;">Length Number sense '20'</p>	<p>Reception Compare length, weight and capacity</p>
Week 6	<p style="text-align: center;">Capacity Number sense recap</p>	<p>Reception Compare length, weight and capacity</p>
Summer 2		
Week 1	<p style="text-align: center;">doubling and halving – recall facts e.g. half of 10 Number sense – number bonds</p>	<p>ELG Explore and represent patterns within numbers up to 10, including evens and odds, double facts and how quantities can be distributed equally</p>
Week 2	<p style="text-align: center;">Sharing equally Number sense – subtraction facts</p>	<p>ELG 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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Week 3	Time Number sense - recap	Describes a sequence of events, real or fictional.
Week 4	Capacity Number sense recap	Reception Compare length, weight and capacity
Week 5	TBC Number sense - TBC	
Week 6	TBC Number sense - TBC	
Week 7	TBC	