

## Foundation stage maths overview 2022-2023

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<p><b>Matching and sorting (1 week)</b>  <b>Vocabulary – Same, different, pair, group</b></p> <ul style="list-style-type: none"> <li>Match two items that are the same (finding pairs)</li> <li>Grouping items that are the same</li> <li>Explaining why things are grouped in a certain way</li> <li>Identifying the odd one out</li> </ul> <p><b>Comparing size (1 week)</b>  <b>Vocabulary – tall, short, long, big, small, taller, shorter, longer, bigger, smaller</b></p> <ul style="list-style-type: none"> <li>Comparing two objects by length</li> </ul>	<p><b>Representing numbers to 5 (2 weeks)</b>  <b>Vocabulary – biggest, smallest, more, less, count</b></p> <ul style="list-style-type: none"> <li>Count on and back to 4/5</li> <li>Count and subitise groups of 4/5</li> <li>Match number to numeral</li> <li>Representing 5 on a 5 frame</li> <li>Comparing numbers to 5</li> <li>Ordering numbers to 5</li> <li>Introducing 0</li> </ul>	<p><b>Numbers to 5-10 (2 weeks)</b>  <b>Vocabulary – bigger, smaller, more, less, largest, greatest, smallest</b></p> <ul style="list-style-type: none"> <li>Count on/back to numbers to 10</li> <li>Counting up to 10 objects</li> <li>Counting out up to 10 objects from a larger group</li> <li>Comparing numbers up to 10</li> <li>Ordering groups of objects up to 10</li> <li>Ordering numbers to 10</li> </ul>	<p><b>Addition &amp; subtraction (1 week addition and 1 week subtraction)</b>  <b>Vocabulary – count on, count back, whole, part, add, take away, altogether makes, equals, leaves</b></p> <ul style="list-style-type: none"> <li>Adding by counting on instead of counting all</li> <li>Subtract by counting back</li> <li>subitise or recount for total/how many left</li> <li>recording through drawings</li> <li>AA children to record with</li> </ul>	<p><b>Finding the smaller parts of 8 (addition and subtraction- 2 weeks)</b>  <b>Vocabulary – part, whole, add, take away, equals, altogether makes, leaves</b></p> <ul style="list-style-type: none"> <li>Splitting 9 objects into different parts</li> <li>Identifying smaller parts of 9 by subitising</li> <li>Record parts of 9 on a PPW model</li> <li>Identifying the missing part when the whole is 9</li> </ul> <p><b>1 more and 1 less than numbers to 10 (1 week)</b>  <b>Vocabulary – more, less, add one, take</b></p>	<p><b>Multiplication and division: Doubles (1 week)</b>  <b>Vocabulary – double, twice as many</b></p> <ul style="list-style-type: none"> <li>Knowing there are twice as many</li> <li>Building doubles using objects</li> <li>Sorting doubles and non-doubles</li> <li>Being able to say 'double_is_'</li> </ul> <p><b>Sharing and grouping (1 week)</b>  <b>Vocabulary – share, left over, equal, the same, different</b></p>

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<ul style="list-style-type: none"> <li>Ordering three objects by length</li> <li>Comparing two objects by height</li> <li>Ordering three objects by height</li> <li>Saying which container (out of 2) will hold the most liquid</li> </ul> <p><b>Comparing amounts (1 week)</b></p> <p><b>Vocabulary – more, fewer, same</b></p> <ul style="list-style-type: none"> <li>Saying which group of objects has more/fewer/same</li> <li>Understanding the difference between size and quantity</li> <li>Subitising 1-3 objects</li> <li>Comparing groups of 1, 2, 3 objects</li> <li>Counting to 3</li> </ul>	<ul style="list-style-type: none"> <li>Form numbers 0, 4, 5</li> </ul> <p><b>One more than numbers to 5 (1 week)</b></p> <p><b>Vocabulary – one more, bigger, after, add one</b></p> <ul style="list-style-type: none"> <li>Add one more to a group of objects up to 5</li> <li>Count all to find one more</li> <li>Count on to find one more</li> <li>Know that when we add, we combine to groups</li> <li>Know that one more is the same as + 1</li> </ul>	<ul style="list-style-type: none"> <li>Number formation</li> </ul> <p><b>Addition &amp; subtraction (2 weeks)</b></p> <p><b>Vocabulary – part, whole, add, take away, equals, leaves</b></p> <ul style="list-style-type: none"> <li>combining 2 groups to find out how many altogether</li> <li>introducing part whole model</li> <li>knowing totals means the final amount</li> <li>introduce ‘First, then, now’</li> <li>know that the quantity changes when taking away</li> </ul>	<p>number sentence</p> <p><b>Finding smaller parts of 6 (1 week addition focus and 1 week subtraction)</b></p> <p><b>Vocabulary – part, whole, add, altogether makes, equals, leaves, take away</b></p> <ul style="list-style-type: none"> <li>Splitting 6 objects into different parts</li> <li>Identifying smaller parts of 6 by subitising</li> <li>Record parts of 6 on a PPW model</li> <li>Identifying the missing part when</li> </ul>	<p><b>away one, before, after</b></p> <ul style="list-style-type: none"> <li>Find the number that is one more than a number to 10 using objects</li> <li>Find the number that is one more than a number using a number track</li> <li>Say one more than a number to 10</li> <li>Know that one more and +1 means the same</li> <li>Say the number after a number to 10</li> <li>Find one less than a number to 10 using objects</li> <li>Find one less than a number to 10 using a number track</li> <li>Say one less than a number to 10</li> </ul>	<ul style="list-style-type: none"> <li>recognise and make equal groups</li> <li>identifying ‘left overs’</li> </ul> <p><b>Odds and evens (1 week)</b></p> <p><b>Vocabulary – odd, even</b></p> <ul style="list-style-type: none"> <li>Identifying odd amounts and even amount</li> <li>Identifying odd and even numbers</li> <li>Grouping in pairs/groups of 2</li> <li>Finding odd and even numbers on 10 frames</li> </ul> <p><b>Consolidation and revision of key skills (2 weeks)</b></p> <ul style="list-style-type: none"> <li>Subitising</li> </ul>
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<ul style="list-style-type: none"> <li>Counting 1-3 objects (cardinality)</li> <li>Matching numerals 1, 2, 3 to number of objects</li> </ul> <p><b>Comparing, ordering and composition of 1, 2 and 3 (1 week)</b>  <b>Vocabulary – bigger, smaller, biggest, smallest, more, less</b></p> <ul style="list-style-type: none"> <li>Counting forwards to 3 and back again</li> <li>Ordering groups of objects to 3</li> <li>Matching numerals to objects</li> <li>Ordering 1-3</li> <li>Seeing the parts of 1, 2, 3 (numbers made from smaller numbers)</li> </ul>	<ul style="list-style-type: none"> <li>Can represent adding one using objects</li> <li>Can say the number after a number to 5</li> </ul> <p><b>One less than numbers to 5 (1 week)</b>  <b>Vocabulary – one less, smaller, before, take away one</b></p> <ul style="list-style-type: none"> <li>Take one away from a group of objects up to 5</li> <li>Count what is left to find one less</li> <li>Count back to find one less</li> <li>Know that when we</li> </ul>	<ul style="list-style-type: none"> <li>Can find how many are left by counting</li> </ul> <p><b>Finding the smaller parts of 5 (1 week)</b>  <b>Vocabulary – part, whole, add, equals, altogether makes,</b></p> <ul style="list-style-type: none"> <li>Splitting 5 objects into two groups</li> <li>Knowing that a whole can be split into two parts but the total remains the same (cardinality)</li> <li>Finding different ways to make five</li> </ul>	<p>the whole is 6</p> <p><b>Length and height (1 week)</b>  <b>Vocabulary – taller, shorter, longer, wider, narrower</b></p> <p>Length and height</p> <ul style="list-style-type: none"> <li>Compare objects using words longer and shorter</li> <li>Compare objects that are taller and shorter</li> <li>Compare objects using wider and narrower</li> <li>Order objects by length or height</li> <li>Use non-standard</li> </ul>	<ul style="list-style-type: none"> <li>Know that one less than a number is the same as -1</li> <li>Say the number before a number to 10</li> </ul> <p><b>Finding the smaller parts of 10 addition (1 week)</b>  <b>Vocabulary – part, whole, add, equals, altogether makes,</b></p> <ul style="list-style-type: none"> <li>Splitting 10 objects into two parts</li> <li>Knowing that a whole can be split into two parts but the total remains the same (cardinality)</li> <li>Finding different ways to make 10</li> <li>Find the missing part for number bonds to 10</li> </ul>	<ul style="list-style-type: none"> <li>Comparing</li> <li>Counting</li> <li>Number bonds (instant recall to 5, some to 10)</li> <li>Subtraction facts</li> </ul> <p><b>Capacity (1 week)</b>  <b>Vocabulary – full, empty, half full, half empty, nearly full, nearly empty</b></p> <ul style="list-style-type: none"> <li>Know that capacity measure how much liquid a container can hold</li> <li>Say when something is full or empty</li> <li>Say when something is half full</li> </ul>
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<ul style="list-style-type: none"> <li>Form numbers 1, 2 and 3</li> </ul> <p><b>One more than 1, 2 and 3 (1 week)</b>  <b>Vocabulary – More, bigger, add one</b></p> <ul style="list-style-type: none"> <li>Count up to three objects</li> <li>Add one more object to a group</li> <li>Know that when you add one more the number gets bigger</li> <li>Be able to say the number that is one more than 1-3 by counting all</li> <li>Be able to say the number that is one more by counting on</li> </ul> <p><b>One less than 1, 2, 3 (1 week)</b></p>	<p>take away, the number gets smaller</p> <ul style="list-style-type: none"> <li>Know that 1 less is the same as – 1</li> <li>Can represent taking away 1 using objects</li> <li>Can say the number before a number to 5</li> </ul> <p><b>Finding the smaller parts of 3 (1 week)</b>  <b>Vocabulary – part, whole, add, take away, equals, altogether makes, leaves</b></p> <ul style="list-style-type: none"> <li>Introduce children to the part whole model</li> <li>Split 3 objects in</li> </ul>	<ul style="list-style-type: none"> <li>Find the missing part for number bonds to 5</li> <li><i>AA children record number sentences</i></li> </ul> <p><b>Subtraction number bonds to 5 (1 week)</b>  <b>Vocabulary – whole, part, subtract, take away, equals, leaves</b></p> <ul style="list-style-type: none"> <li>Whole take away part leaves a part</li> <li>Can take away a smaller part of 5 and count what is left</li> <li>Can say what is left when a part is taken</li> </ul>	<p>units to measure</p>	<ul style="list-style-type: none"> <li><i>AA children record number sentences</i></li> </ul> <p><b>Subtraction number bonds to 10 (1 week)</b>  <b>Vocabulary – whole, part, subtract, take away, equals, leaves</b></p> <ul style="list-style-type: none"> <li>Whole take away part leaves a part</li> <li>Can take away a smaller part of 10 and count what is left</li> <li>Can say what is left when a part is taken away without counting (subitising)</li> <li>Can say what is left when a part is taken away without counting or subitising</li> </ul> <p><b>Numbers to 20 (2 weeks)</b>  <b>Vocabulary – bigger, smaller, largest,</b></p>	<p>Say when something is nearly full or nearly empty</p>
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<p><b>Vocabulary – Less, smaller, take away one</b></p> <p><b>Vocabulary – Less, smaller, take away one</b></p> <ul style="list-style-type: none"> <li>Count up to three objects</li> <li>Take an object away from a group of up to 3 objects</li> <li>Know that when you take an object away, the number gets smaller</li> <li>Be able to say one less by counting what is left</li> <li>Be able to say one less by counting back</li> </ul> <p><b>Exploring pattern (1 week with ordinal number)</b></p>	<p>different ways</p> <ul style="list-style-type: none"> <li>Be able to say the missing part for the number 3</li> </ul> <p><b>Finding the smaller parts of 4 (1 week)</b></p> <p><b>Vocabulary – part, whole, add, take away, equals, altogether makes, leaves</b></p> <ul style="list-style-type: none"> <li>Introduce children to the part whole model</li> <li>Split 4 objects in different ways</li> <li>Be able to say the missing part for the number 4</li> </ul>	<p>away without counting (subitising)</p> <ul style="list-style-type: none"> <li>Can say what is left when a part is taken away without counting or subitising</li> </ul> <p><b>Weight and pattern (1 week)</b></p> <p><b>Vocabulary – heavy, light, heavier, lighter</b></p> <p>Weight</p> <ul style="list-style-type: none"> <li>Compare 2, and then 3, items</li> <li>Use balance scales to identify heavier and lighter</li> </ul> <p>Pattern</p> <ul style="list-style-type: none"> <li>Identify and talk about</li> </ul>		<p><b>greatest, smallest, more, less, tens</b></p> <ul style="list-style-type: none"> <li>Building numbers to 20 (1 full ten and ...)</li> <li>Knowing that teen numbers are 10 and something</li> <li>Counting forwards and backwards to and from 20</li> <li>Counting forwards and backwards to and from numbers to</li> <li>Comparing numbers to 20</li> </ul> <p><b>Spatial reasoning (1 week)</b></p> <p><b>Vocabulary – shape, 2D, 3D, join, separate</b></p> <ul style="list-style-type: none"> <li>Combine shapes to make different shapes eg two triangles make a square</li> </ul>	
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<p><b>Vocabulary – pattern, repeating pattern, after, next</b></p> <ul style="list-style-type: none"> <li>• See a pattern</li> <li>• Say the pattern eg. Red, blue, red, blue</li> <li>• Continue a repeating pattern</li> <li>• Continue a repeating pattern horizontally and vertically</li> </ul> <p><b>Ordinal number (1 week with pattern)</b></p> <p><b>Vocabulary – first, second, first</b></p> <ul style="list-style-type: none"> <li>• Identify 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup></li> <li>• Match 1<sup>st</sup>/2<sup>nd</sup>/3<sup>rd</sup> to label</li> </ul>	<p><b>Positional language/circles and triangles (1 week)</b></p> <p><b>Vocabulary – circle, triangle, curved, straight, under, over, through, between, next to, behind, in front</b></p> <ul style="list-style-type: none"> <li>• Identify circles and triangles</li> <li>• Sort circles and triangles</li> <li>• See then differences between circles and triangles</li> <li>• Describe differences between circles and triangles</li> <li>• Find shapes</li> </ul>	<p>complex patterns (ABB, AAB, AABB, AABBB)</p> <ul style="list-style-type: none"> <li>• Identify errors</li> </ul>		<ul style="list-style-type: none"> <li>• Rotate and manipulate shapes to make different patterns/buildings</li> <li>• Separate shapes and discuss properties</li> </ul>	
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	<ul style="list-style-type: none"><li>• Identify shapes in different orientations</li><li>• Understand and use positional language</li></ul> <p><b>Squares and rectangles (1 week)</b></p> <p><b>Vocabulary – square, rectangle, sides, corners,</b></p> <ul style="list-style-type: none"><li>• Recognise and name squares and rectangles</li><li>• Identify and point to the sides of shapes</li><li>• Know that squares and rectangles have four sides</li><li>• Identify and point to</li></ul>				
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	<p>corners of shapes</p> <ul style="list-style-type: none"><li>• Know that rectangles and squares have 4 corners</li><li>• Recognise and name shapes when they are of different sizes and in different orientations</li></ul> <p><b>Time (1 week)</b> <b>Vocabulary – day, night, morning, afternoon, evening, before, after, today, tomorrow</b></p> <ul style="list-style-type: none"><li>• Understand the difference between day and night</li></ul>				
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	<ul style="list-style-type: none"><li>• Order events in daily routine</li></ul>				
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