

EYFS Mathematics: Progression of Skills and Knowledge

Nursery	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
White Rose Maths	<p><u>Comparison</u> More than, fewer than, same. Collect objects to compare amounts Make simple comparisons of amounts Look for, compare and talk about collections of large and small amounts Make large and small collections Make collections the same</p> <p><u>Shape, space and measure</u> Explore and build with shapes and objects. Explore and build with shapes Show an interest in simple differences between shapes. Put shapes and blocks into position.</p>	<p><u>Comparison</u> Compare and sort collections Notice when two collections are the same Make collections of small and large objects the same Recognise two collections are the same using large and small objects Make collections the same using large and small objects Sort and talk about their own collections</p> <p><u>Shape, space and measure</u> Explore position and space Respond to simple language of position</p>	<p><u>Comparison</u> Match, sort and compare Compare up to 5 different objects Compare by matching Make the same set by matching Match by type Recognise attributes of objects Begin to sort some objects to a type</p> <p><u>Shape, space and measure</u> Explore position and routes Explore shape resources Explore more complex inset jigsaws Talk about simple positions</p>	<p><u>Shape, space and measure</u> Match, talk, push and pull Match simple shapes Push some shapes and blocks together Make simple arrangements Talk about arrangements Follow simple routes outside Follow toys around a simple route</p> <p><u>Pattern</u> Lead on own repeats Join in fully with sequences and songs Sing rhymes independently Lead sequences and songs Read on in familiar</p>	<p><u>Shape, space and measure</u> Starting to puzzle Complete shape-match puzzles Complete simple jigsaws Match objects to pictures Match objects to shadows Explore objects and small world from different positions Make simple routes in small world with lines and curves</p> <p><u>Pattern</u> Making patterns together Sing their own songs independently Clap in time to a beat Make and talk about</p>	<p><u>Pattern</u> My own pattern Continue AB patterns Create their own AB patterns Notice an error in a pattern Build constructions with simple enclosures Copy simple repeated constructions Begin to sequence some events</p> <p><u>Counting</u> Stop at 1, 2, 3, 4, 5 Count out up to 5 objects from a larger group Explore counting to 5 in Different ways Verbally count to a given number</p>

<p>Select shapes for a reason</p> <p>Begin to explore and describe natural shapes and objects</p> <p>Find and collect objects for a purpose</p> <p><u>Pattern</u> Explore repeats.</p> <p>Listen to repeats in songs and stories</p> <p>Start to join in songs with repeats</p> <p>Start to join in with repeats from stories</p> <p>Clap along to songs</p> <p>Make line patterns with own sequences</p> <p>Choose blocks to build roads and towers</p> <p><u>Counting</u> Hear and say number names.</p> <p>Hear some number names</p> <p>Join in saying some number names</p> <p>Model saying number names in order</p>	<p>Arrange blocks in a chosen position</p> <p>Select shapes for a space</p> <p>Recognise when two objects are the same shape</p> <p>Explore and describe shapes and objects</p> <p>Sort shapes and objects into simple categories</p> <p><u>Pattern</u> Join in with repeats</p> <p>Join in with repeated actions in songs</p> <p>Join in with repeats in songs and stories</p> <p>Sing some refrains independently</p> <p>Have a sense of daily routines</p> <p>Say what happens next</p> <p>Make arrangements in art</p> <p><u>Counting</u> Begin to order number names</p> <p>Model saying 1, 2 and 3 in play</p> <p>Copy the sequence of 1,</p>	<p>Move into simple positions</p> <p>Move through positions</p> <p>Follow simple small-world routes</p> <p><u>Pattern</u> Explore own first patterns</p> <p>Explain simple pattern arrangements</p> <p>Make roads and bridges with intent</p> <p>Choose blocks to copy simple creations</p> <p>Make simple line patterns with objects</p> <p>Make simple pattern arrangements</p> <p>Show an interest in patterns and shapes</p> <p><u>Counting</u> Move and label 1, 2, 3</p> <p>Make actions when saying counting words</p> <p>Move fingers when saying counting words</p> <p>Count out up to 3 objects from rhymes</p> <p>Notice number symbols</p>	<p>repeating stories</p> <p>Copy art-based simple patterns</p> <p>Explore own line and repeating patterns in art</p> <p><u>Counting</u> Take and give 1, 2, 3 Choose a group to count</p> <p>Take out 2 from a group</p> <p>Take out 3 from a group</p> <p>Give other 2 items</p> <p>Give others 3 items</p> <p>Count 3 objects with one-to-one correspondence</p> <p><u>Subitising</u> Make games and actions Match dot patterns</p> <p>Be introduced to subitising games</p> <p>Play subitising games</p> <p>Copy sets of sounds</p> <p>Listen to and represent sounds with fingers</p> <p>Listen to and represent sounds with resources</p>	<p>movement patterns</p> <p>Talk about objects in patterns and arrangements</p> <p>Copy AB patterns with support</p> <p>Continue AB patterns with support</p> <p><u>Counting</u> Show me 5</p> <p>Sing rhymes to 5 and join in with movements</p> <p>Move props to 5</p> <p>Move proper back from 5</p> <p>Show fingers to 5</p> <p>Begin to count 5 objects with one-to-one correspondence</p> <p>Match numerals to quantities when acting out songs</p>	<p>Label objects with numerals</p> <p>Independently show fingers to 5</p> <p>Begin to make marks to represent quantities</p>
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	<p>Practise saying number names in order</p> <p>Join in stable order counting forwards and backwards</p> <p><u>Subitising</u> I see 1, 2, 3</p> <p>Notice images in books</p> <p>Respond to, recognise and copy 'I see 1,2,3'</p> <p>Point to 1, 2, 3</p> <p>Recognise 1, 2 3 in well-known tales</p>	<p>2, 3</p> <p>Copy fingers to represent 1, 2 and 3</p> <p>Begin to count actions</p> <p>Say numbers in order</p> <p>Begin to recognize that anything can be counted</p> <p><u>Subitising</u> Show me 1, 2, 3</p> <p>Copy fingers to show 1, 2, 3</p> <p>Show 1 finger when seeing 2 or 3 in stories</p> <p>Show 1, 2, 3 on fingers when asked</p>	<p>as labels</p> <p>Label amounts as 1 and not 1</p> <p>Label amounts as 1, 2 or 3</p> <p><u>Subitising</u> Talk about dots</p> <p>Become familiar with dot patterns</p> <p>Say when there is 1 dot</p> <p>Say when there are 2 dots</p> <p>Recognise 1 and 2 in different arrangements</p> <p>Say when there are 3 dots</p> <p>Recognise 1, 2 and 3 in different arrangements</p>			
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Reception	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<p>Number</p> <p><i>NCETM: Mastering Number</i></p>	<p>Subitising within three.</p> <p>Focus on counting skills.</p> <p>Explore how all numbers are made of 1's.</p> <p>Focus on composition of 3 and 4</p> <p>Subitise objects and sounds.</p> <p>Comparison of sets- 'just by looking'.</p> <p>Use the language of comparison: <i>more than</i> and <i>fewer than</i>.</p>	<p>Focus on counting skills.</p> <p>Focus on the 'five-ness of 5' using one hand and the die pattern for 5.</p> <p>Comparison of sets- by matching.</p> <p>Use the language of comparison: <i>more than</i>, <i>fewer than</i>, <i>an equal number</i>.</p> <p>Explore the concept of 'whole' and 'part'.</p> <p>Focus on the composition of 3, 4 and 5.</p> <p>Practise object counting and skills.</p> <p>Match numerals to quantities within 10.</p> <p>Verbal counting beyond 20.</p>	<p>Subitise within 5 focusing on die patterns.</p> <p>Match numerals to quantities within 5.</p> <p>Counting- focus on ordinality and the 'staircase' pattern.</p> <p>See that each number is one more than the previous number.</p> <p>Focus on 5.</p> <p>Focus on 6 and 7 as '5 and a bit'.</p> <p>Compare sets and use language of comparison: <i>more than</i>, <i>fewer than</i>, <i>an equal number to</i></p> <p>Make unequal sets equal.</p>	<p>Focus on the 'staircase' pattern and ordering numbers.</p> <p>Focus on ordering of numbers to 8.</p> <p>Use language of <i>less than</i>.</p> <p>Focus on 7.</p> <p>Doubles- explore how some numbers can be made with 2 equal parts.</p> <p>Sorting number according to attributes- odd and even.</p>	<p>Counting- larger sets and things that cannot be seen.</p> <p>Subitising- to 6, including in structured arrangements.</p> <p>Composition- '5 and a bit'</p> <p>Composition- of 10.</p> <p>Comparison- linked to ordinality.</p> <p>Play track games.</p>	<p>Subitise to 5.</p> <p>Introduce the rekenrek.</p> <p>Review and Assess: Automatic recall of bonds to 5.</p> <p>Composition of numbers to 10.</p> <p>Comparison.</p> <p>Number patterns</p> <p>Counting</p>
White Rose Maths	<p>Match, Sort and Compare</p> <p>Match objects and pictures</p> <p>Identify and sort sets, exploring sorting techniques</p> <p>Create sorting rules</p> <p>Compare amounts</p> <p>Measure and Pattern</p>		<p>Mass and Capacity</p> <p>Compare mass</p> <p>Find a balance</p> <p>Explore capacity</p> <p>Compare capacity</p> <p>Length, Height and Time</p>		<p>Manipulate, compose and decompose</p> <p>Select shapes for a purpose</p> <p>Rotate and manipulate shapes, explaining their arrangements</p> <p>Compose and decompose shapes</p> <p>Copy 2-D shape pictures</p>	

<p>Compare mass, size and capacity.</p> <p>Explore, copy, continue and create simple patterns</p> <p>Circles and Triangles</p> <p>Identify, name and compare circles and triangles</p> <p>Explore shapes in the environment</p> <p>Describe positions</p> <p>Shapes with 4 Sides</p> <p>Identify and name shapes with four sides</p> <p>Combine shapes with 4 sides</p> <p>Explore shapes in the environment</p> <p>Order and sequence familiar events</p>	<p>Explore and compare length and height</p> <p>Talk about time</p> <p>Order and sequence time</p> <p>Explore 3-D Shapes</p> <p>Recognise and name 3-D shapes</p> <p>Find 2-D shapes within 3-D shapes</p> <p>3-D shapes in the environment</p> <p>Identify more complex patterns</p> <p>Copy and continue patterns</p> <p>Patterns in the environment</p>	<p>Find 2-D shapes within 3-D shapes</p> <p>Visualise, Build and Map</p> <p>Identify units of repeating patterns</p> <p>Create and explore own pattern rules</p> <p>Replicate and build scenes and constructions</p> <p>Visualise from different positions</p> <p>Describe positions</p> <p>Give instructions to build</p> <p>Explore mapping</p> <p>Make Connections</p> <p>Patterns and relationships</p>
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End Point:

ELG: Number

Have a deep understanding of number to 10, including the composition of each number.

Subitise (recognize quantities without counting) up to 5.

Automatically recall (without reference to rhymes, counting or other aids) number bonds to 5 (including subtraction facts) and some number bonds to 10, including double facts.

ELG: Numerical Patterns:

Verbally count beyond 20, recognizing 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 to 10, including even and odd, double facts and how quantities can be distributed evenly.