

## Nursery Maths Long Term Plan

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	Autumn A	Autumn B	Spring A	Spring B	Summer A	Summer B
Developing a strong grounding in number is essential so that all children develop the necessary building blocks to excel mathematically. Children should be able to count confidently, develop a deep understanding of numbers, the relationships between them and the patterns within those numbers. By providing frequent and varied opportunities to build and apply this understanding - such as using manipulatives, including small pebbles and five frames for organising counting - children will develop a secure base of knowledge and vocabulary from which mastery of mathematics is built. In addition, it is important that the curriculum includes rich opportunities for children to develop their spatial reasoning skills across all areas of mathematics including shape, space and measures. It is important that children develop positive attitudes and interests in mathematics, look for patterns and relationships, spot connections, 'have a go', talk to adults and peers about what they notice and not be afraid to make mistakes.						
<b>White Rose Maths Counting</b>	<u><b>Hear and Say Number Number Names</b></u> Hear some number names Join in saying some number names Model saying number names in order Practise saying number names in order Join in stable order counting forwards Join in stable order counting backwards	<u><b>Begin to Order Number Names</b></u> Model saying 1, 2 and 3 in play Copy the sequence of 1, 2 and 3 Copy fingers to represent 1, 2 and 3 Begin to count actions Say number names in order Look for collections of large and small amounts Say number names in order Begin to recognise that anything can be counted	<u><b>Move and Label 123</b></u> Make actions when saying counting words Move fingers when saying counting words Count out up to 3 objects from rhymes Notice number symbols as labels Label amounts as 1 and not 1 Label amounts as 1, 2 or 3	<u><b>Take and Give 1 2 3</b></u> Choose a group to count Take out 2 from a group Take out 3 from a group Give others 2 items Give others 3 items Count 3 objects with one to one correspondence		
<b>White Rose Maths Pattern</b>	<u><b>Explore Repeats</b></u> Listen to repeats in songs and stories Start to join in songs with repeats. Start to join in with repeats from stories Clap along to songs Make line patterns with own sequences Choose blocks to build roads and towers.	<u><b>Join in With Repeats</b></u> Join in with repeated actions in songs Join in with repeats in songs and stories Sing some refrains independently Have a sense of daily routines Say what happens next Make arrangements in art	<u><b>Explore Own First Patterns</b></u> Explain simple pattern arrangements Make roads and bridges with intent Choose blocks to copy simple creations Make simple line patterns with objects Make simple pattern arrangements	<u><b>Lead on Own Repeats</b></u>		

			Show an interest in patterns and shapes			
<b>White Rose Maths Subitising</b>		<p><b><u>I See 1 2 3</u></b>  Notice images in books  Respond to "I see 1, 2, 3"  Recognise "I see 1, 2, 3"  Point to 1, 2, 3  Recognise 1 2 3 in well known tales</p>	<p><b><u>Show Me 1 2 3</u></b>  Copy fingers to show 1  Copy fingers to show 2  Copy fingers to show 3  Show 1 finger when seeing 1 item in stories  Show 2 or 3 fingers when seeing 2 or 3 in stories  Show 1, 2, 3 on fingers when asked</p>	<p><b><u>Talk About Dots</u></b>  Become familiar with dot patterns  Say when there is 1 dot  Say when there are 2 dots  Recognise 1 and 2 in different arrangements  Say when there are 3 dots  Recognise 1 2 and 3 in different arrangements</p>		
<b>White Rose Maths Comparison</b>	<p><b><u>More Than, Fewer Than, Same</u></b>  Collect objects to compare amounts  Make simple comparisons of amounts  Look for collections of large and small amounts  Compare and talk about large and small amounts  Make large and small collections  Make collections the same.</p>					

<p><b>White Rose Maths</b> <b>Space Shape and Measure</b></p>	<p><b><u>Explore and Build with Shapes and Objects</u></b> Explore and play with shapes Show interest in simple differences between shapes Put shapes and blocks into position Select shapes for a reason Begin to explore and describe natural shapes and objects Find and collect objects for a purpose</p>	<p><b><u>Explore Position and Space</u></b> Respond to simple language of position Arrange blocks in a chosen position Select shapes for a space Recognise when 2 objects are the same shape Explore and describe shapes and objects Sort shapes and objects into simple categories</p>	<p><b><u>Explore Position and Routes</u></b> Explore shape resources Explore more complex inset jigsaws Talk about simple positions Move into simple positions Move through positions Follow simple small world routes</p>	<p><b><u>Match Talk Push and Pull</u></b> 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><b>Key stories</b></p>	<p>Five Little Ducks Brown Bear Brown Bear Dig Dig Digging The Little Red Hen Mixed A Colour Story The Colour Monster The Button Box A Pair of Socks</p>	<p>Owl Babies Three Billy Goats Gruff Mr Gumpy's Motor Car Farmer Duck Hairy McClary Each Peach Pear Plum Peepo MacDog's Home</p>	<p>The Ugly Duckling Where's My Teddy? It's the Bear Goldilocks and the Three Bears Cave Baby Where oh where is Rosie's Chick</p>	<p>Jasper's Beanstalk Jack and the Beanstalk My Cat Likes to Hide in Boxes The Enormous Turnip The Blue Balloon</p>	<p>The Tiger Who Came to Tea Dear Zoo Handa's Surprise The Three Little Pigs We're Going On a Bear Hunt</p>	<p>The Hungry Caterpillar The Gingerbread Man Rosie's Walk The Doorbell Went Five Little Fiends Night Monkey Day Monkey</p>
<p><b>Key songs</b></p>	<p>12345 Once I Caught a Fish Alive One Potato Here is the Beehive Tommy Thumb Where Are You? 1 2 Buckle My Shoe Twinkle Twinkle Polly Put the Kettle On Grand Old Duke Of York</p>	<p>12345 Once I Caught a Fish Alive Old McDonald Had a Farm If You're Happy and You Know it. Jack and Jill Ba Ba Black Sheep When Goldilocks Went to the House of the Bears Wind the Bobbin Up Hokey Cokey</p>	<p>When Goldilocks Went to the House of the Bears Five Little Ducks London Bridge is Falling Down</p>	<p>Three Little Speckled Frogs Three Little Men in a Flying Saucer Three Little Monkeys</p>	<p>Five Currant Buns There were 10 in the Bed We're All Going to the Zoo Tomorrow. Handa's Fruits in a Basket Flat</p>	<p>Clap Your Hands and Wiggle Your Fingers One Elephant Went Out to Play Five Little Caterpillar Crawled on My Shoe</p>

