



Reception Long Term Plan



	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
General Themes	All About me	Light and dark	Arctic explorers	Come outside	Ticket to ride	Fun at the Seaside
<p>Maths</p> <p><i>“Without mathematics, there’s nothing you can do. Everything around you is mathematics. Everything around you is numbers.” – Shakuntala Devi</i></p> <p>Mathematics Mastery White Rose Maths</p> <p><i>“Key skills of counting, subitising, composition, ordering and comparing are threaded throughout the guidance and get progressively more challenging.”</i> White Rose Maths Teacher Guidance</p>	<p>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 the numbers to 10, 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 tens 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.</p>					
	<p>Early Mathematical Experiences</p> <p>Counting rhymes and songs Classifying objects based on one attribute •Matching equal and unequal sets Sorting into groups •Comparing objects and sets. Making comparisons, more and fewer. Subitising. •Ordering objects and sets / introduce manipulatives.</p> <p>Pattern and early number</p> <p>Copy, continue and create simple repeating patterns (ABAB). Explore shape, colour, sizes, actions and sounds.</p> <p>Measures</p> <p>Explore, compare and discuss size mass and capacity</p>	<p>Numbers within 5</p> <ul style="list-style-type: none"> Representing, comparing and composition of 1, 2 and 3. Representing numbers to 5 One more and one less <p>Measures</p> <p>Estimate, order compare, discuss and explore capacity, weight and lengths</p> <p>Shape and sorting</p> <p>Describe, and sort 2-D shapes. Circles and triangles, shapes with 4 sides. • Hear and begin to use positional language</p> <p>Calendar and time</p> <p>Days of the week, seasons •Sequence daily events</p>	<p>Alive in 5</p> <p>Introducing zero Comparing numbers to 5 Composition of 4 and 5</p> <p>Numbers within 10</p> <p>Representing and comparing numbers 6, 7 and 8. Composition of 6, 7 and 8 Making pairs</p> <p>Addition within 10</p> <p>Explore addition as combining two groups.</p> <p>Measures</p> <p>Describe and compare capacities •Compare volumes •Compare weights</p>	<p>Numbers within 10</p> <p>Count up to ten objects and recognize different representations •Represent, order and explore numbers to ten</p> <ul style="list-style-type: none"> One more or fewer Number bonds to 10 <p>Shape and pattern</p> <ul style="list-style-type: none"> Copy, continue and create more complex repeating patterns. Describe, name, explore and sort 3-D shapes <p>Measures and Time</p> <p>Estimate, compare and order lengths and heights Days of the week, seasons •Sequence daily events</p>	<p>Numbers within 20</p> <ul style="list-style-type: none"> Represent, order and explore numbers to 15 •One more or fewer Build and identify numbers to 20 <p>Counting patterns beyond 10</p> <p>Addition and subtraction</p> <p>Commutativity •Explore addition and subtraction •Compare two amounts Changing quantities by adding and taking away</p> <p>Spatial Reasoning</p> <p>Match, rotate and manipulate shapes Compose and decompose shapes</p>	<p>Depth of numbers within 20</p> <p>Explore numbers and strategies •Recognise and extend patterns •Apply number, shape and measures knowledge •Count forwards and backwards One more one less •Estimate and count</p> <p>Patterns and relationships</p> <p>Doubling and halving & the relationship between them Grouping and sharing, equal groups Even and odd Recognise and extend patterns</p> <p>Spatial Reasoning</p> <p>Visualise and build Mapping</p>