



MATHEMATICS

RECEPTION CURRICULUM



Newbottle & Charlton
CEVA Primary School

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Statutory Educational programme	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.					
White Rose Coverage	<ul style="list-style-type: none"> Matching, Sorting & comparing – collections Comparing amounts. Comparing size, mass and capacity. Exploring simple patterns 	<ul style="list-style-type: none"> Representing 1,2,3,4,5 Comparing 1,2,3,4,5 Composition of 1,2,3,4,5 Formation of 1,2,3,4,5 One more, one less Shapes which complement taught numbers - circle, triangle, square, pentagon. Positional language Time 	<ul style="list-style-type: none"> Introducing zero Comparison of numbers to 5 Composition of 5 Comparing Mass Comparing Capacity Representing 6,7,8 Comparing 6,7,8 Composition of 6,7,8 Formation of 6,7,8 Length, height. Time 	<ul style="list-style-type: none"> Numbers 7, 8, 9 Combining groups Number bonds 3D shapes AB Pattern - continue, copy, and create repeating patterns 	<ul style="list-style-type: none"> Number 10 and beyond – subitising, counting, sorting, matching, comparing, ordering Composition of numbers to 10 and beyond Counting patterns to 10 and beyond Spatial reasoning. 3D shape Match, rotate, and manipulate Pattern – ABC, ABB, BBA 	<ul style="list-style-type: none"> Adding more Taking away Number bonds Shape – spatial reasoning Revisit doubles Revisit sharing and grouping Even and odd Develop patterns and relationships



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Number	<ul style="list-style-type: none"> To recognise numbers 1-3 To begin to subitise to 3 To find one more of numbers to 3 To find one less of numbers to 3 To explore the composition of 2 and 3 	<ul style="list-style-type: none"> To recognise numbers 1-5 To begin to subitise to 5 To find one more of numbers to 5 To find one less of numbers to 5 To explore the composition of 4 and 5 	<ul style="list-style-type: none"> To recognise numbers 0-8 To subitise to 5 To find one more/one less of numbers to 8 To explore composition of 6,7, and 8. To match the number to quantity 	<ul style="list-style-type: none"> To recognise numbers to 10 To explore composition of 9 and 10 To know addition facts to make 5 To find one more/one less of numbers to 10 To estimate a number of objects 	<ul style="list-style-type: none"> To recognise numbers to 10 To revise number bonds to 5 To begin to count to 20 and explore numbers above 10 To match the number to quantity 	<ul style="list-style-type: none"> To solve simple number problems To begin to know addition and subtraction facts to 10 To know doubling facts
Pattern	<ul style="list-style-type: none"> To say which group has more/less To compare quantities to 3 to count to 5 	<ul style="list-style-type: none"> To compare quantities to 5 To compare equal and unequal groups 	<ul style="list-style-type: none"> To count objects to 10 To compare quantities to 8 To begin to understand the difference between odd and even numbers up to 8 To combine two groups of objects 	<ul style="list-style-type: none"> To count to 10 To compare quantities to 10 To order numbers to 10 To count back from 10 To take away objects and count how many are left To find the missing number 	<ul style="list-style-type: none"> To add numbers To subtract numbers To find the missing number To order numbers e.g. 4, 7, 9 To find the missing number in an addition and subtraction sentence problems. 	<ul style="list-style-type: none"> To begin to count to 20 and beyond To explore odd and even numbers To double up to 10 To find half of number up to 10 To share quantities equally.
Shape	<ul style="list-style-type: none"> To match objects To sort objects To finish a repeating pattern of 2 objects or colours. To recognise and name circle and triangle. 	<ul style="list-style-type: none"> To recognise and name a square and rectangle. To compare capacity, length, height and size 	<ul style="list-style-type: none"> To order objects by height and length. To order the days of the week To measure height using cubes To measure time 	<ul style="list-style-type: none"> To measure capacity To begin to name 3D shapes. To explore the properties of 3D shapes. 	<ul style="list-style-type: none"> To describe the properties of 3D shapes. To make pictures with shape arrangements. 	<ul style="list-style-type: none"> To finish a repeating pattern. To make patterns using shapes. To name and describe 2D and 3D shapes