



At Oak Hill we follow a mastery approach using an adapted Maths No Problem scheme of work.

	Autumn	Spring (Units are typically taught in the spring term but can be taught in the summer depending on the placement of Easter in the academic year)	Summer
Nursery	<p>Counting:</p> <ul style="list-style-type: none"> - Verbally counts with separate words (not necessarily in the right order). - Begin to notice numerals in the environment - Joins in with finger rhymes <p>Comparison:</p> <ul style="list-style-type: none"> - Respond to words like 'lots and more' <p>Measures:</p> <ul style="list-style-type: none"> - Continue an AB pattern- - Developing spatial awareness - Recognising attributes of measure 	<p>Counting:</p> <ul style="list-style-type: none"> - Rote counting to 3 - One to one correspondence up to 3 - Number recognition to 3 Subitise up to 2 <p>Comparison:</p> <ul style="list-style-type: none"> - Compare amounts saying 'lots', 'more' or same <p>Measures:</p> <ul style="list-style-type: none"> - Copy an AB pattern - Develop an awareness of shape - Developing spatial vocabulary - Comparing attributes of measure e.g. smaller than, heavier than... 	<p>Counting:</p> <ul style="list-style-type: none"> - Rote counting to 5 - One to one correspondence up to 5 - Number recognition to 3 - Subitise up to 3 - Knowing the last number counted gives the total so far <p>Comparison:</p> <ul style="list-style-type: none"> - Compare 2 quantities of groups using "more" "less" (where there is a clear difference in value e.g. 4 and 18) - <p>Composition:</p> <ul style="list-style-type: none"> - Identifying parts within wholes (objects) <p>Measures:</p> <ul style="list-style-type: none"> - Identifying similarities in shape - Showing awareness of comparison in estimating and predicting
Reception	<p>Comparison of number</p> <ul style="list-style-type: none"> - Match and sort objects by type - Compare amounts using the words "more" or "less" <p>Numbers to 5</p> <ul style="list-style-type: none"> - Recognise, count, represent and subitise numbers to 5 - Know and say 1 more and 1 less <p>Composition of numbers to 5</p> <ul style="list-style-type: none"> - Represent numbers to 5 in different ways 	<p>Numbers to 8</p> <ul style="list-style-type: none"> - Recognise, count and represent numbers 6 and 7 - Know and say 1 more and 1 less <p>Halving and sharing</p> <ul style="list-style-type: none"> - Practically share objects by 2 - Describe equal sharing as fair and unequal sharing as unfair <p>Odd and Even</p> <ul style="list-style-type: none"> - Begin to know which numbers are odd and even to 10 	<p>Number bonds to 5</p> <p>Number bonds to 10</p>

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	<ul style="list-style-type: none"> - Representing the different parts to make the whole <p>Numbers 6 and 7</p> <ul style="list-style-type: none"> - Recognise, count and represent numbers 6 and 7 - Know and say 1 more and 1 less 	<ul style="list-style-type: none"> - Begin to know that if I can share a number equally, it is even and unfair sharing is odd <p>Doubles</p> <ul style="list-style-type: none"> - Explore, investigate and build doubles in a range of different contexts 	
Year 1	<p>Numbers to 10</p> <ul style="list-style-type: none"> - Counting and writing numbers to 10 - Comparing and ordering numbers to 10 <p>Pattern and shape</p> <ul style="list-style-type: none"> - Recognise 2D shapes - Recognise 3D shapes - Grouping 2D shapes <p>Number bonds to 10</p> <ul style="list-style-type: none"> - Making and representing number bonds <p>Addition within 10</p> <ul style="list-style-type: none"> - Adding using number bonds - Add by counting on - Making addition number stories 	<p>Subtraction within 10</p> <ul style="list-style-type: none"> - Subtract by crossing out - Subtract by using number bonds - Subtract by counting back - Making and solving subtraction number stories - Addition and subtraction families <p>Numbers to 20</p> <ul style="list-style-type: none"> - Counting and writing numbers to 20 - Comparing and ordering numbers to 20 <p>Time</p> <ul style="list-style-type: none"> - Telling the time to the hour and half hour - Understanding before, next after <p>Addition and subtraction within 20</p> <ul style="list-style-type: none"> - Add by counting on - Add by making 10 - Add by adding ones <p>Money</p> <ul style="list-style-type: none"> - Recognising coins and notes <p>Numbers to 40</p> <ul style="list-style-type: none"> - Counting and writing numbers to 40 - Understanding place value of number (tens/ones) - Counting in tens and ones - Comparing numbers to 40 	<p>Numbers to 100</p> <ul style="list-style-type: none"> - Counting to 100 - Counting in tens and ones - Comparing numbers to 100 <p>Height and length (Year 1 and 2)</p> <ul style="list-style-type: none"> - Compare height and length - Measure height and length using non standard unit <p><i>Year 2 content</i></p> <ul style="list-style-type: none"> - Measure in metres - Measure in centimetres - Compare length and height <p>Multiplication and division</p> <ul style="list-style-type: none"> - Sharing and grouping equally - Solving word problems <p>Fractions</p> <ul style="list-style-type: none"> - Making halves and quarters (of shape and number) - Sharing and grouping

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<p>Year 2</p>	<p>Numbers to 100</p> <ul style="list-style-type: none"> - Counting to 100 - Place value of numbers to 100 - Comparing numbers - Understanding and continuing number patterns <p>Addition and subtraction</p> <ul style="list-style-type: none"> - Adding one digit and 2 digit number (no renaming) - Adding two 2 digit numbers (no renaming) - As above with renaming - As above for subtraction - Addition of three numbers <p>Statistics - pictograms</p> <ul style="list-style-type: none"> - Creating and interpreting pictograms <p>Time</p> <ul style="list-style-type: none"> - Finding durations of time - Sequencing events - Telling time to the nearest half hour - Telling time to the nearest five minutes 	<p>Temperature</p> <ul style="list-style-type: none"> - Reading and estimating temperature <p>Volume (Year 1 and 2)</p> <p><i>Year 1 lessons</i></p> <ul style="list-style-type: none"> - Compare and find volume and capacity (non standard units) - Describing volume using half and quarter <p><i>Year 2 lessons</i></p> <ul style="list-style-type: none"> - Comparing and measuring volume (standard units) - Solving word problems related to volume <p>Multiplication of 2s, 5s, 10s</p> <ul style="list-style-type: none"> - Equal groups (repeated addition) - 2, 5 and 10 times table (recall and use) - Solving word problems <p>Multiplication and division of 2s, 5s, 10s</p> <ul style="list-style-type: none"> - Grouping - Sharing - Dividing by 2, 5, 10 - Multiplication and division families - Odd and even numbers <p>Geometry - shape</p> <ul style="list-style-type: none"> - Identify properties of 2D and 3D shapes - Sorting shapes - Drawing/forming 2D and 3D shapes - Describing and making patterns <p>Word problems</p> <ul style="list-style-type: none"> - Solving word problems (2 step) 	<p>Money</p> <ul style="list-style-type: none"> - Writing amounts of money - Counting money - Showing equal amounts in different ways - Calculating change and total amounts <p>Fractions</p> <ul style="list-style-type: none"> - Making equal parts - Finding part of a set (half, third, quarter) - Counting in halves, quarters and thirds - Comparing and ordering fractions <p>Mass</p> <ul style="list-style-type: none"> - Measuring mass in kilograms - Measuring mass in grams - Comparing mass of 2/3 objects

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<p>Year 3</p>	<p>Numbers to 1000</p> <ul style="list-style-type: none"> - Counting to 1000 - Counting in 100s, , 50s, 4s and 8s - Place value of numbers to 1000 - Comparing and order numbers to 1000 - Understanding and continuing number patterns <p>Addition and subtraction</p> <ul style="list-style-type: none"> - Adding 1 digit and 3 digit number (no renaming) - Adding two 3 digit numbers (no renaming) - As above with renaming - As above for subtraction - Use bar models to solve problems <p>Multiplication and division</p> <ul style="list-style-type: none"> - Multiply by 3,4,8 - Understand the relationship between multiplication and division - Divide by 4 and 8 - Solve problems using multiplication and division <p>Statistics</p> <ul style="list-style-type: none"> - Drawing pictograms - Drawing bar graphs - Reading bar graphs 	<p>Geometry – angles, lines and shapes</p> <ul style="list-style-type: none"> - Making angles - Finding angles (obtuse, acute, obtuse) - Comparing angles <p><i>Line and shape</i></p> <ul style="list-style-type: none"> - Identifying perpendicular/parallel/horizontal/vertical lines - Describing and making 3D shape <p>Perimeter</p> <ul style="list-style-type: none"> - Measuring perimeter - Calculating perimeter <p>Money</p> <ul style="list-style-type: none"> - Naming and showing amounts - Adding money - Subtracting money - Calculating change - Solving word problems <p>Further multiplication and division</p> <ul style="list-style-type: none"> - Multiplying 2 digit numbers (with and without regrouping) - Dividing 2 digit numbers - Dividing with regrouping - Solving word problems <p>Time</p> <ul style="list-style-type: none"> - Telling the time to the nearest minute including 24 hour/12 hour notation and digital and analogue formats - Measure time in seconds, minutes and hours - Measuring and calculating duration of time 	<p>Time continued</p> <p>Fractions</p> <ul style="list-style-type: none"> - Counting in tenths - Adding fractions - Subtracting fractions - Finding equivalent fractions - Comparing fractions - Finding part of a set - Using bar models to solve problems using fractions <p>Length (Year 3 and 4 content)</p> <ul style="list-style-type: none"> - Writing length in centimetres and metres - Comparing length - Solving word problems <p>Mass</p> <ul style="list-style-type: none"> - Reading weighing scales - Solving word problems

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<p>Year 4</p>	<p>Numbers to 10000</p> <ul style="list-style-type: none"> - Counting to 10000 - Counting in 100s, 25s, 6s, 7s and 9s - Place value of numbers to 10000 - Comparing and order numbers to 10000 - Understanding and continuing number patterns - Round numbers to the nearest 10, 100 and 1000 - Round numbers to estimate <p>Addition and subtraction</p> <ul style="list-style-type: none"> - Adding with without renaming (up to 4 digit plus 4 digit) - Add with renaming in 100s, 10s and 1s - Add using mental strategies - As above for subtraction - Solve word problems (including multi step) for addition and subtraction <p>Multiplication and division</p> <ul style="list-style-type: none"> - Multiply by 6, 7, 9, 11, 12 - Divide by 6, 7, 9, 11, 12 - Divide with remainders - Solve word problems (including scaling, multi-step and all possibilities) <p>Area and perimeter</p> <ul style="list-style-type: none"> - Measure perimeter in cm's and mm's - Find area - Measuring areas (counting squares full and halves) 	<p>Further multiplication and division</p> <ul style="list-style-type: none"> - Multiply by 0 and 1 - Divide by 1 - Understand commutativity - Multiply three digit numbers - Multiply with multiples of 10 - Multiply and divide 2 digit numbers with/without remainders - Multiply and divide 3 digit numbers with/without remainders - Solve word problems including multi step <p>Fractions</p> <ul style="list-style-type: none"> - Counting in tenths - Writing and show mixed number fractions - Find equivalent fractions - Simplify mixed number and improper fractions - Add fractions (recording fractions as mixed number) - Subtract fractions - Solve word problems <p>Time</p> <ul style="list-style-type: none"> - Consolidation of Year 3 - telling time to the nearest 5/1 minute - Tell the time on a 24hour clock - Convert between minutes and seconds and hours and minutes - Convert units of time - Solve word problems 	<p>Decimals</p> <ul style="list-style-type: none"> - Record tenths and hundredths in their decimal form - Compare and order decimal numbers - Create decimal number sequences - Round decimals - Write fractions and decimal numbers - Divide whole numbers by 10 or 100 <p>Money</p> <ul style="list-style-type: none"> - Compare total amounts of money - Round to the nearest pound - Solve money problems - Estimate amounts of money <p>Geometry</p> <ul style="list-style-type: none"> - Identify and compare types of angles - Classify triangles and quadrilaterals - Identify and draw lines of symmetry <p>Graphs</p> <ul style="list-style-type: none"> - Draw and read picture graphs, bar charts and line graphs <p>Mass</p> <ul style="list-style-type: none"> - Measure mass - Convert units of mass

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	Position and movement <ul style="list-style-type: none">- Describe position and movement- Plot co-ordinates		
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