

Key Stage 1 Maths Overview

		HT1 Number and Place Value Shape, Space and Measure	HT2 Number and Place Value Addition and Subtraction Shape, Space and Measure	HT3 Addition and Subtraction Shape, Space and Measure	HT4 Number and Place Value Shape, Space and Measure	HT5 Number and Place Value Addition and Subtraction Shape, Space and Measure	HT6 Addition and Subtraction Shape, Space and Measure
Learning outcomes/composite knowledge: Pupils will be able to...		<ul style="list-style-type: none"> LO1 Count, read and write numbers to 10 (20) in numerals LO2 Recognise odd and even numbers LO3 Recap content and complete assessment LO4 Shape, Space and Measure - shape 	<ul style="list-style-type: none"> LO1 Reason about the location of numbers to 10 within the linear number system LO2 Compare using $<$, $>$ and $=$ LO3 Compose and decompose numbers to 10 using standard and non-standard partitioning LO4 Recognise the subtraction structure of 'difference' and answer questions in the form of 'how many more...' LO5 Recap content and complete assessment LO6 Shape, Space and Measure – time 	<ul style="list-style-type: none"> LO1 Read, write and interpret mathematical statements involving $+$, $-$ and $=$ signs LO2 Develop fluency in addition and subtraction facts within 10 LO3 Solve one-step problems and missing number problems LO4 Recap content and complete assessment LO5 Shape, Space and Measure – length and height/money 	<ul style="list-style-type: none"> LO1 Count, read and write numbers to 20 (at least 100) in numerals and words LO2 Recognise odd and even numbers LO3 Count in multiples of 10 LO4 Recap content and complete assessment LO5 Shape, Space and Measure - shape 	<ul style="list-style-type: none"> LO1 Reason about the location of numbers to 20 (any two-digit number) within the linear number system LO2 Compare using $<$, $>$ and $=$ LO3 Compose and decompose numbers to 10 and two-digit numbers using standard and non-standard partitioning LO4 Recognise the subtraction structure of 'difference' and answer questions in the form of 'how many more...' LO5 Recap content and complete assessment LO6 Shape, Space and Measure - time 	<ul style="list-style-type: none"> LO1 Read, write and interpret mathematical statements involving $+$, $-$ and $=$ signs LO2 Develop fluency in addition and subtraction facts within 20 and derive and use related facts up to 100 LO3 Solve one-step problems, missing number problems and check calculations LO4 Recap content and complete assessment LO5 Shape, Space and Measure – length and height/money
Knowledge Components	Declarative Knowledge:	<p>I know the names and order of the numbers.</p> <p>I know one more and one less than a given number.</p> <p>I know which numbers are odd and which are even.</p> <p>I know the names of simple 2D and 3D shapes.</p> <p>I know properties of simple 2D and 3D shapes.</p>	<p>I know the value of tens and ones.</p> <p>I know the vocabulary needed to compare numbers.</p> <p>I know the symbols $<$, $>$ and $=$</p> <p>I know number bonds to and within 10.</p> <p>I know related vocabulary for addition and subtraction.</p> <p>I know the language relating to time. I know that minutes, hours, days, months and years are all measures of time. I know the number of days in a week and the number of months are in a year. I know the number minutes in an hour and hours in a day.</p>	<p>I know the linked vocabulary and names of the symbols $+$, $-$, and $=$</p> <p>I know that addition will create a bigger amount/number.</p> <p>I know that subtraction will create a smaller amount/number.</p> <p>I know what equal means.</p> <p>I know my number bonds to 10 and related facts.</p> <p>I know that different maths word problems will require the use of different operations. I know that vocabulary such as "altogether/total" or "what is left" is important information to tell me which operation to use.</p> <p>I know what money is used for and the relative value of coins and notes.</p> <p>I know what height and length is and can use vocabulary such as "tallest, shortest, longest".</p>	<p>I know the names and order of the numbers.</p> <p>I know one more and one less than a given number.</p> <p>I know which numbers are odd and which are even.</p> <p>I know the 10 times table.</p> <p>I know the names of simple 2D and 3D shapes.</p> <p>I know properties of simple 2D and 3D shapes.</p>	<p>I know the value of tens and ones.</p> <p>I know the vocabulary needed to compare numbers.</p> <p>I know the symbols $<$, $>$ and $=$</p> <p>I know number bonds to and within 10.</p> <p>I know related vocabulary for addition and subtraction.</p> <p>I know the language relating to time. I know that minutes, hours, days, months and years are all measures of time. I know the number of days in a week and the number of months are in a year. I know the number minutes in an hour and hours in a day.</p>	<p>I know the linked vocabulary and names of the symbols $+$, $-$, and $=$</p> <p>I know that addition will create a bigger amount/number.</p> <p>I know that subtraction will create a smaller amount/number.</p> <p>I know what equal means.</p> <p>I know my number bonds to 10 and related facts.</p> <p>I know that different maths word problems will require the use of different operations. I know that vocabulary such as "altogether/total" or "what is left" is important information to tell me which operation to use.</p> <p>I know what money is used for and the relative value of coins and notes.</p> <p>I know what height and length is and can use vocabulary such as "tallest, shortest, longest".</p>
	Procedural Knowledge (methods)	<p>I know how to count groups of objects.</p> <p>I know how to read numbers in words and numerals.</p> <p>I know how to write numbers in words and numerals.</p> <p>I know how to use correct number formation.</p> <p>I know how to use a number line to find one more and one less than a number.</p> <p>I know how to spot patterns and use this knowledge to identify odd and even numbers.</p> <p>I know how to use my knowledge of shape to group and classify 2D and 3D shapes.</p>	<p>I know how use a part whole model to build numbers.</p> <p>I know how to partition numbers into tens and ones.</p> <p>I know how to use vocabulary such as "greater/smaller, more than/less than, equal to" to compare numbers.</p> <p>I know how to record "greater than, less than and equal to" using the symbols $<$, $>$ and $=$</p> <p>I know how to use a number line to count on when adding and subtracting numbers.</p> <p>I know how to use crossing out and counting forwards/backwards as methods for subtraction.</p> <p>I know how to tell the time to the hour and the half hour.</p> <p>I know how to use language relating to time. I know how to apply my knowledge of time to solving practical problems.</p>	<p>Know how to add numbers together.</p> <p>I know how to subtract numbers.</p> <p>I know how to use my knowledge of number bonds to 10 to work out the inverse.</p> <p>I know how to use my knowledge of number bonds to 10 to add and subtract larger numbers using tens and ones.</p> <p>I know how to apply my knowledge of number, addition and subtraction to solve 1-step maths word problems.</p> <p>I know how to recognise different coins and notes.</p> <p>I know how to complete simple transactions using simple amounts such as "buy an apple costing 20p or pay for a book costing £1".</p>	<p>I know how to count groups of objects.</p> <p>I know how to read numbers in words and numerals.</p> <p>I know how to write numbers in words and numerals.</p> <p>I know how to use correct number formation.</p> <p>I know how to use a number line to find one more and one less than a number.</p> <p>I know how to spot patterns and use this knowledge to identify odd and even numbers.</p> <p>I know how to use my knowledge of shape to group and classify 2D and 3D shapes.</p>	<p>I know how use a part whole model to build numbers.</p> <p>I know how to partition numbers into tens and ones.</p> <p>I know how to use vocabulary such as "greater/smaller, more than/less than, equal to" to compare numbers.</p> <p>I know how to record "greater than, less than and equal to" using the symbols $<$, $>$ and $=$</p> <p>I know how to use a number line to count on when adding and subtracting numbers.</p> <p>I know how to use crossing out and counting forwards/backwards as methods for subtraction.</p> <p>I know how to tell the time to the hour and the half hour.</p> <p>I know how to use language relating to time. I know how to apply my knowledge of time to solving practical problems.</p>	<p>Know how to add numbers together.</p> <p>I know how to subtract numbers.</p> <p>I know how to use my knowledge of number bonds to 10 to work out the inverse.</p> <p>I know how to use my knowledge of number bonds to 10 to add and subtract larger numbers using tens and ones.</p> <p>I know how to apply my knowledge of number, addition and subtraction to solve 1-step maths word problems.</p> <p>I know how to recognise different coins and notes.</p> <p>I know how to complete simple transactions using simple amounts such as "buy an apple costing 20p or pay for a book costing £1".</p>
	Conditional Knowledge (using taught)	<p>EYFS</p> <p>Use combinations of number facts, shape facts, pattern facts, methods of counting, addition and subtraction to:</p> <ul style="list-style-type: none"> Play games 					

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	and rehearsed facts)	<ul style="list-style-type: none"> Sing songs Answer questions Talk about everyday objects Solve problems using objects with continuous provision <p>KS1 Use combinations of taught and rehearsed facts and methods to:</p> <ul style="list-style-type: none"> Complete written exercises Solve missing number problems Solve simple word problems involving arithmetic, money time and fractions Solve data and measurement problems 					
Year 1 National Curriculum reference		<p>Number - number and place value</p> <ul style="list-style-type: none"> count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number count, read and write numbers to 100 in numerals; given a number, identify 1 more and 1 less identify and represent numbers using objects and pictorial representations including the number line, and read and write numbers from 1 to 20 in numerals and words <p>Geometry - properties of shapes</p> <ul style="list-style-type: none"> recognise and name common 2-D and 3-D shapes, including: <ul style="list-style-type: none"> 2-D shapes [for example, rectangles (including squares), circles and triangles] 3-D shapes [for example, cuboids (including cubes), pyramids and spheres] 	<p>Number - number and place value</p> <ul style="list-style-type: none"> use the language of: equal to, more than, less than (fewer), most, least <p>Number - addition and subtraction</p> <ul style="list-style-type: none"> read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs represent and use number bonds and related subtraction facts within 20 add and subtract one-digit and two-digit numbers to 20, including 0 solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $7 = ? - 9$ <p>Measurement</p> <p>Compare, describe and solve practical problems for time [for example, quicker, slower, earlier, later].</p> <p>Measure and begin to record time (hours, minutes, seconds)</p> <p>Sequence events in chronological order using language [for example, before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening].</p> <p>Recognise and use language relating to dates, including days of the week, weeks, months and years.</p> <p>Tell the time to the hour and half past the hour and draw the hands on a clock face to show these times.</p>	<p>Number - addition and subtraction</p> <ul style="list-style-type: none"> read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs represent and use number bonds and related subtraction facts within 20 add and subtract one-digit and two-digit numbers to 20, including 0 solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $7 = ? - 9$ <p>Measurement</p> <p>Compare, describe and solve practical problems for lengths and heights [for example, long/short, longer/shorter, tall/short, double/half].</p> <p>Measure and begin to record lengths and heights.</p> <p>Recognise and know the value of different denominations of coins and notes.</p>	<p>Number - number and place value</p> <ul style="list-style-type: none"> count in multiples of 2s, 5s and 10s count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number count, read and write numbers to 100 in numerals; given a number, identify 1 more and 1 less identify and represent numbers using objects and pictorial representations including the number line, and read and write numbers from 1 to 20 in numerals and words <p>Geometry - properties of shapes</p> <ul style="list-style-type: none"> recognise and name common 2-D and 3-D shapes, including: <ul style="list-style-type: none"> 2-D shapes [for example, rectangles (including squares), circles and triangles] 3-D shapes [for example, cuboids (including cubes), pyramids and spheres] 	<p>Number - number and place value</p> <ul style="list-style-type: none"> use the language of: equal to, more than, less than (fewer), most, least <p>Number - addition and subtraction</p> <ul style="list-style-type: none"> read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs represent and use number bonds and related subtraction facts within 20 add and subtract one-digit and two-digit numbers to 20, including 0 solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $7 = ? 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