

Hampton Court House - Lower Years Curriculum – Mathematics: Year 1

	Autumn Term	Spring Term	Summer Term
Skills	<p>Pupils develop their knowledge and understanding of mathematics through practical activities, exploration and discussion. They learn to count, read, write and order numbers to 100 and beyond. They develop confidence and mental fluency with whole numbers, counting and place value. They work with numerals, words and the four operations, including with practical resources. They develop the ability to recognise, describe, draw, compare and sort different shapes and use the related vocabulary. They learn about space through practical activity which builds on their understanding of their immediate environment. They use a range of measures to describe and compare quantities such as lengths, mass, capacity and volume, time and money. They begin to grasp mathematical language, using it to talk about their methods and explain their reasoning when solving problems.</p>		
<p>NUMBER</p> <p>Number and place value</p>	<p>Pupils will be taught to:</p> <ul style="list-style-type: none"> - write the stories of numbers from 0 to 20 - recognise values up to 100 - estimate and identify numbers using different representations, including the number line and the 100 chart - recognise the place value of each digit in a two-digit number: tens and units 	<p>Pupils will be taught to:</p> <ul style="list-style-type: none"> - partition numbers in different ways to support subtraction - count, read and write numbers to 100 in numerals; count in multiples of twos, fives and tens - recognise and create repeating patterns in the number system (e.g. odd and even numbers) - sort, compare and order numbers from 0 up to 100 and use the appropriate $<$, $>$ and $=$ signs 	<p>Pupils will be taught to:</p> <ul style="list-style-type: none"> - read and write numbers from 1 to 100 in words, in English and from 1 to 20 in French - use place value and number facts to solve problems

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	<ul style="list-style-type: none"> - count to and across 100, forwards and backwards from any given number 		
<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 - add numbers using concrete objects, pictorial representations, and mentally, including: a one-digit number and ones, a two-digit number and ones, a two-digit number and tens, two two-digit numbers, three one-digit numbers - solve additions in line and in column, without or with carrying figures - solve one step problems that involve addition 	<ul style="list-style-type: none"> - recall additions and use commutativity and inverse relations to develop subtracting reasoning - subtract numbers using concrete objects, pictorial representations, and mentally, including: a one-digit number minus ones, a two-digit number minus ones, a two-digit number minus tens - solve subtractions in line and in column, without or with borrowing figures - solve one-step problems that involve subtraction 	<ul style="list-style-type: none"> - solve one or two-step word problems using addition and/or subtraction: explain one's reasoning and choose the appropriate operation - link repeated addition with the notion of multiplication

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<p>Number: Multiplication and division</p>		<ul style="list-style-type: none"> - group and share quantities 	<ul style="list-style-type: none"> - understand the concept of multiplication and times tables - solve one-step problems involving multiplication by calculating the answer using concrete objects, pictorial representations and arrays - start learning the x0, x1, x2, x5, and x10 timetables
<p>Number: Fractions</p>	<ul style="list-style-type: none"> - be fluent in adding double numbers up to 20 	<ul style="list-style-type: none"> - recognise, find and name a half as one of two equal parts of an object, shape or quantity - double and halve 	<ul style="list-style-type: none"> - link doubling and multiplying by 2, link halving and dividing by 2 (\div) - recognise, find and name a quarter as one of four equal parts of an object, shape or quantity - identify and use the fractions on the clock face
<p>MEASUREMENT</p>	<ul style="list-style-type: none"> - measure lengths and compare sizes (cm) - compare, measure and solve practical problems for lengths and heights, mass or weight, capacity 	<ul style="list-style-type: none"> - know the value of UK coins and notes - recognise and use symbols for pounds (£) and pence (p) 	<ul style="list-style-type: none"> - sequence events in chronological order using language, in English and French - become familiar with the clock face and the vocabulary linked to it

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	and volume	<ul style="list-style-type: none"> - count and combine amounts of money to make a particular value - solve simple problems in a practical shopping context involving addition and subtraction of money of the same unit, including giving change 	<p>(hours, minutes, seconds, o'clock, past, to)</p> <ul style="list-style-type: none"> - connect the 5 multiplication table to the divisions on the clock face - tell time to the hour, to the half, quarter, and three-quarter hour
GEOMETRY	<ul style="list-style-type: none"> - use the ruler properly and draw straight lines - complete and reproduce figures using the ruler 	<ul style="list-style-type: none"> - describe position, directions and movements, including whole, half, quarter and three-quarter turns - localize on a grid and use coordinates - use the vocabulary related to positions, in English and French 	<ul style="list-style-type: none"> - identify 2D and 3D shapes; recognise geometry of everyday objects and trace simple polygons - identify symmetry in a shape