

Hampton Court House - Lower Years Curriculum - Mathematics: Year 2

	Autumn Term	Spring Term	Summer Term
Skills	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 a range of mental calculation skills and use these confidently in different settings. They learn about shape and space through practical activity which builds on their understanding of their immediate environment. They begin to grasp mathematical language, using it to talk about their methods and explain their reasoning when solving problems.		
Number: number and place value	Count up and down in 2s, 5s and 10s. Add and subtract using concrete objects, pictorial representations and mentally. Order numbers. Tens and units for numbers to 100.	Count up and down in 2s, 3s, 4s, 5s and 10s. Know odd and even numbers. Recognise the place value of each digit in a two-digit number (tens, ones).	Count up and down in 2s, 3s, 4s, 5s and 10s. Read and write numbers to 1000 in figures and words (in English and French). Understand sequences of numbers. Order two-digit numbers and position them on a number line Use the > and < symbol.
Number: addition and subtraction	Double to 20. Add and take away 10. Recognise inverse relationship between addition and subtraction.	Double to 40. Add and subtract mentally. Recall number facts for each number to 10. Know pairs that total 20. Solve problems using additions and subtractions.	Doubling to 100. Add and subtract a two-digit number and a one-digit number. Add and subtract a two-digit number to/from a multiple of ten.

Hampton Court House - Lower Years Curriculum - Mathematics: Year 2

<p>Number: multiplication and division</p>	<p>Use multiplication relating to the 2, 5 and 10 times tables. Calculate mathematical statements for multiplication and division and writing them using the appropriate sign between \times, \div, and $=$. Calculate halves and doubles.</p>	<p>Recall and use of multiplication and division facts for the 2, 5 and 10 times tables, including odd and even numbers. Show that multiplication of two numbers can be commutative and division of one number by another cannot.</p>	<p>Recall and use of multiplication and division facts relating to the 1, 2, 3, 4, 5 and 10 times tables (including reversals). Solve problems involving materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in context.</p>
<p>Number: fractions</p>		<p>Recognise, find, name and write fractions $\frac{1}{4}$, $\frac{1}{3}$, $\frac{1}{2}$ of a length, shape, set of objects or quantity.</p>	<p>Recognise, find, name and write fractions $\frac{1}{4}$, $\frac{1}{3}$, $\frac{1}{2}$, $\frac{2}{4}$, $\frac{3}{4}$ of a length, shape, set of objects or quantity. Write simple fractions (for example $\frac{1}{2}$ of 6 = 3) and recognize the equivalence $\frac{1}{2} = \frac{2}{4}$.</p>
<p>Measurement</p>	<p>Choose and use appropriate standard units to estimate and measure length/height in any direction (mm/cm/m/km), temperature ($^{\circ}\text{C}$ – using thermometers). Recall days of the week and months of the year (in French and English). Read clocks to the hour.</p>	<p>Read and tell the time to the half, quarter, and three-quarter hour. Solve time length problems. Recall seasons of the year (in French and English). Choose and use appropriate standard units to estimate and measure mass (g/kg) and capacity (litres/ml). Read weighing scales. Compare and order size, mass and capacity and recording the results using $<$, $>$ and $=$.</p>	<p>Recall and use units of measurement for length, mass and capacity. Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change. Compare and sequence intervals of time. Tell and write the time to five minutes, including quarter past/to the hour and draw the hands on a clock face to show these times.</p>

Hampton Court House - Lower Years Curriculum - Mathematics: Year 2

		<p>Recognise and use English and French money symbols for pounds (£), pence (p) and euros (€) and centimes (cts). Combine amounts to make a particular value.</p>	<p>Know the number of minutes in an hour and the number of hours in a day.</p>
Geometry	<p>Recognise simple polygons (square, rectangle and triangle) and circles. Compare and sort common 2-D and everyday objects. Trace lines and shapes using a ruler. Align dots to make a straight line.</p>	<p>Recognise 2-D shapes from drawings. Recognise line of symmetry. Recognise right angles in shapes.</p>	<p>Identify and sort common 3-D shapes. Relate planar and solid figures. Count and compare sides, edges vertices and faces. Recognise open and closed shapes. Draw lines of symmetry.</p>
Statistics		<p>Ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity.</p>	<p>Interpret and construct simple pictograms, tally charts, block diagrams and simple tables.</p>