

Core Skills UKS2 Mathematics



Behaviour	Attitude	Skills	Knowledge	Experience	Technology	Sustained
<p>To be curious about the world around them.</p> <p>To be able to work collaboratively as well as independently.</p> <p>To have a desire to know more.</p>	<p>They have a 'can do' attitude and understand that they may not understand it 'yet'.</p> <p>They have a positive approach to learning new concepts.</p> <p>They are curious and inquisitive about the world around them.</p> <p>They have a desire to solve the problem.</p> <p>They can explain their thinking and reasoning and then share this with those around them.</p>	<p>To be fluent with whole numbers and their place value.</p> <p>To be fluent with number facts and to be able to use and apply these.</p> <p>To be fluent with the four operations (mental and written methods).</p> <p>To be able to solve a range of increasingly complex real-life problems with increasing accuracy.</p> <p>To be able to use their mathematical reasoning skills.</p> <p>To be able to use and apply mathematical vocabulary with confidence and accuracy.</p>	<p>National Curriculum - maths programme of study</p> <p>Mathematics Guidance - key stages 1 and 2</p> <p>They can recognise the place value of each digit and read/write numbers to 1,000,000.</p> <p>They can recall and use number facts including Roman numerals.</p> <p>They have a secure knowledge of multiplication and division facts to 12x12.</p> <p>They can use mental and written strategies including columnar for the four operations.</p> <p>They can understand and use the inverse operation and the commutative law to help solve problems and check their calculations.</p> <p>They can solve a variety of real-life problems using and applying what they know and along with their reasoning skills.</p> <p>They can understand, interpret and convert fractions, decimals and percentage.</p> <p>They can draw, compare, estimate and measure angles in degrees.</p>	<p>Well structured lessons that build on learning in small steps.</p> <p>Using manipulatives when needed to explore key concepts further.</p> <p>Practical experiences.</p> <p>Discussion with peers.</p>	<p>Use of a range of applications on their iPads.</p> <p>Use of interactive whiteboards.</p>	<p>They have a passion for Mathematics, want to learn more and explore how it connects with the world around them.</p> <p>They apply their knowledge to a variety of multistep real-life problems.</p>