

<p>National Curriculum for Mathematics in England : Summary of Aims:</p> <ul style="list-style-type: none"> • Become fluent in the fundamentals of mathematics, developing conceptual understanding and the ability to recall knowledge and facts accurately and rapidly • Reason mathematically by making connections, following a line of enquiry and developing a justified argument • Solve problems by applying mathematical skills, knowledge and understanding to a variety of routine and non-routine problems, including in real-life contexts 		
<p>Focus of number study in Key stage 1 (Year 1 and Year 2)</p>	<p>Focus of number study in Lower Key stage 2 (Year 3 and Year 4)</p>	<p>Focus of number study in Upper Key stage 2 (Year 5 and Year 6)</p>
<p>Develop confidence and mental fluency with whole numbers, counting and place value.</p> <p>Work with numerals, words and the four arithmetic operations (+, -, x, ÷) using visual prompts and practical resources.</p> <p>Use a range of measures such as length, mass, capacity, volume, time, and money</p>	<p>Become increasingly fluent with whole numbers and the four arithmetic operations (+, -, x, ÷), including known number facts and the concept of place value.</p> <p>Develop efficient written and mental methods</p> <p>Perform calculations accurately with increasingly large whole numbers</p> <p>Solve a range of problems including with simple fractions and decimals</p>	<p>Extend understanding of the number system and place value to include larger integers (whole numbers).</p> <p>Develop connections between multiplication, division, fractions, decimals, percentages, and ratio</p> <p>Begin to use algebraic techniques to solve simple arithmetic problems</p>
<p>By the end of Year 2:</p> <ul style="list-style-type: none"> • Recall and use number bonds to 20 • Recall and use multiplication and division facts for the 2x, 5x and 10x tables. • Identify odd and even numbers • Use and understand place value, • Read and spell age appropriate mathematical vocabulary 	<p>By the end of Year 4:</p> <ul style="list-style-type: none"> • Add and subtract numbers up to 4-digits using formal and informal methods • Recall and use all multiplication and division facts up to and including the 12x table. • Know and use common equivalences between fractions and decimals • Read and spell age appropriate mathematical vocabulary correctly. 	<p>By the end of Year 6:</p> <ul style="list-style-type: none"> • Be fluent in written methods for the four arithmetic operations (+, -, x, ÷), including formal methods such as column addition and subtraction, long and short multiplication and division. • Calculate with integers and fractions • Read and spell age appropriate mathematical vocabulary correctly.