

Maths

Research	Intent	Implementation
<p>'Children's chances of success are maximised if they develop deep and lasting understanding of mathematical procedures and concepts.'</p> <p>NCTEM</p> <p>'I want all children to have the best education they can and mathematics is a fundamental part of that. It is essential for everyday life and understanding of our world. Too many pupils do not fulfil their potential, including many of the most able, and those who get off to a poor mathematical start or fall behind in their learning never catch up.'</p> <p>Michael Wilshaw 2012</p>	<p>The intent of our mathematics curriculum is to provide learning which is accessible to all and will maximise the development of every child's ability and academic achievement by delivering lessons that are creative and engaging.</p> <p>We want children to make rich connections across mathematical concepts in order to develop fluency, mathematical reasoning and competence in solving increasingly sophisticated problems.</p> <p>We intend for our pupils to be able to apply their mathematical knowledge to science and other subjects thus recognising that maths is essential to everyday life and critical to science, technology and engineering.</p> <p>As our pupils progress through the school, we intend for them to be able to understand the world, have the ability to reason mathematically, have an appreciation of the beauty and power of mathematics, and a sense of enjoyment and curiosity about the subject so that they are prepared well for the next step of their educational journey.</p>	<p>To ensure whole school consistency and progression, the school uses the White Rose Maths Scheme as the basis for planning, to ensure NC14 coverage.</p> <p>New concepts are shared with children in concrete, pictorial and abstract representations to enable all children to achieve their maximum potential. Children are encouraged to use these strategies to support independent learning as needed.</p> <p>NFER assessments are carried out termly to ensure that children are making progress. Where children are at risk of falling behind, interventions are put in place to ensure each child has the best chance of success.</p>