

CURRICULUM SUBJECT OVERVIEW - MATHEMATICS



<p style="text-align: center;">Our School Vision</p> <p>The children of The Hawthorns are at the heart of all that we do. As a whole school community, we nurture and challenge our children within a caring environment, so they grow both personally and academically. We are passionate about developing the whole child; encouraging them to have a growth mindset, believe in themselves, aspire to achieve their best and become resilient lifelong learners. We uphold a strong sense of belonging by valuing our children's individuality and celebrating diversity to ensure all our children thrive.</p>	<p style="text-align: center;">Subject Intent</p> <p>At The Hawthorns, we are dedicated to nurturing every pupil so they will become confident and capable mathematicians. Our goal is to ensure that all children develop a strong foundation in number sense, becoming fluent and efficient in their mathematical abilities. We place a strong emphasis on fostering resilience, enabling pupils to tackle complex reasoning and problem-solving tasks with confidence and skill. We aim for pupils to leave The Hawthorns fully equipped for the challenges of secondary education and confident in their ability to apply mathematics effectively in everyday life.</p>
<p style="text-align: center;">Our Curriculum Vision</p> <p>At The Hawthorns Primary School, we aim to provide a unique and creative learning experience with high aspirations for all our pupils. Our exciting and innovative curriculum is tailored to inspire and challenge each individual child so they develop a passion for learning and aspire to be successful. The curriculum offers a wealth of knowledge through real life experiences to foster a spirit of curiosity and purpose, encouraging children to make connections and equipping them with the skills needed for their futures.</p>	
<p style="text-align: center;">Cultural Capital</p> <p style="text-align: center;">The essential knowledge that children need to be educated citizens</p> <p>At The Hawthorns, we are committed to ensuring that all children develop confidence in applying mathematics in meaningful and enjoyable ways. Throughout the school, we aim to connect our maths curriculum with real-life scenarios, fostering an appreciation for the practical applications of mathematics. In the Early Years Foundation Stage (EYFS), foundational number skills are developed through direct teaching, complemented by purposeful, carefully planned play. For instance, children explore number concepts by playing games such as skittles, where they answer questions like, "How many skittles have you knocked down?" As students move into Key Stage 1, mathematical skills are integrated across the curriculum. In geography, children investigate position and direction, while in science, they record and analyse data on the local minibeast population. This cross-curricular approach makes learning relevant and engaging. In Key Stage 2, students further develop their mathematical thinking by collecting and analysing scientific data, which they present in diverse ways. Families are also encouraged to explore mathematical opportunities in everyday life, extending learning beyond the classroom. Additionally, our Outdoor Learning provision helps students discover the role of mathematics in nature and the local environment, enriching their understanding through hands-on experiences.</p>	
<p style="text-align: center;">IMPLEMENTATION</p> <p>We adopt a mastery approach to mathematics teaching through the White Rose Education scheme of work, a research-based framework aligned with the goals of the National Curriculum. This approach emphasizes the three key pillars of mathematical understanding: fluency, reasoning, and problem-solving. By combining the White Rose scheme with accurate assessments, we design diverse, carefully planned high-quality activities that offer sustained challenge, while providing appropriate scaffolding. This ensures that all learners can achieve a deep and secure understanding of mathematical concepts. Our teaching approach incorporates varied concrete, pictorial and abstract representations, supporting progression and accessibility for all pupils. Mathematical vocabulary is a core focus, enabling students to engage fully with concepts and articulate their thinking with clarity and confidence. To reinforce learning, pupils regularly revisit previously taught objectives using a <i>daily</i></p>	<p style="text-align: center;">IMPACT</p> <ol style="list-style-type: none"> 1. Children leave The Hawthorns Primary School as confident and competent mathematicians, ready for the rigours of secondary education. 2. Children can make connections with previous learning and build a coherent picture of how mathematics is used in everyday situations. 3. Children are excited and inspired to further their mathematical knowledge. They develop a strong curiosity and ask questions to further their understanding.

memory map, helping to consolidate knowledge and strengthen retention. Additionally, fluency in multiplication tables is enhanced through engaging practice on the Times Tables Rock Stars platform.