



## MATHS AT ST MARY'S

Our school vision **"they will soar on wings like eagles"**

Our Maths curriculum enables children to take small steps to explore, enquire and discover mathematical concepts. Our carefully sequenced curriculum enables children to explore procedural fluency and conceptual understanding across a range of topic areas to develop automaticity in number facts and algorithms. Once children have foundational knowledge they dive deeper exploring connections between concepts, applying their knowledge to problems and reasoning their thought processes.

### RESPECT

In Maths, we foster a culture of understanding the logical structure of problems, valuing accuracy, acknowledging the validity of different approaches, and encouraging a growth mindset where mistakes are seen as opportunities for learning.

### NURTURE

In Maths, children foster a sense of accomplishment and confidence through understanding and solving problems. In a positive learning environment, students feel supported and encouraged to explore and connect mathematical concepts.

### COMMUNITY

By building communities of inquiry in our classrooms, all students have the opportunity to participate in mathematical exploration and reasoning and to have a voice in the direction of their learning.

### COURAGE

Students are encouraged to face challenging

### AMBITION

Mathematics fosters ambition by providing a

### RESPONSIBILITY

Children develop responsibility in their



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<p>problems, try new strategies, and persevere through setbacks, ultimately building confidence in their ability to tackle complex situations, even when they feel unsure</p>	<p>structured path to achieve challenging goals, building confidence through mastering concepts and encouraging critical thinking to solve complex problems. Children are supported to apply their understanding through problem solving and reasoning.</p>	<p>independent learning, where students are encouraged to actively engage with problems, monitor their own progress, and take ownership of their understanding. Children are encouraged to develop critical thinking skills and reason their thinking.</p>
<p><b>SPIRITUALITY</b></p>	<p><b>GLOBAL CITIZENS</b></p>	<p><b>AWE AND WONDER</b></p>
<p>Through studying and considering pattern, order, symmetry and scale both man-made and in the natural world children become well-rounded individuals who are not only proficient in mathematical skills but also spiritually aware and connected.</p>	<p>In Maths, we provide students with the tools to analyse and understand real-world global issues through data, statistics, and patterns, allowing them to critically evaluate information and become informed citizens capable of engaging with complex challenges</p>	<p>Mathematics cultivates a sense of awe and wonder by revealing hidden patterns and structures within the natural world.</p>



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