Kent Catholic Schools' Partnership
'Academies in Christ'
Part of the Archdiocese of Southwark

Knowledge-rich, skills-led learning for all
Christ at our heart
Serving everyone in our community
Partnership of love, ambition, joy and peace

Maths at English Martyrs' RC Primary School

School Mission Statement

At English Martyrs' RC Primary School, rooted in the teachings of scripture and inspired by Christ's love, we strive to create a nurturing and inclusive community where every child is recognised as a unique gift from God. We work in close partnership with parents, acknowledging them as the first educators of their children, to support each child's spiritual, moral, and academic development. We foster a welcoming and safe environment where children are encouraged to grow in faith, show kindness, and develop respect for others, while embracing the richness of diverse cultures within our school community. Guided by our shared values and our motto, we aim to help our pupils become confident, caring individuals who live with integrity and bring light to the world.

Stand firm. Show kindness. Seek excellence. Ubi Caritas

Intent

At English Martyrs' RC Primary School, we believe that mathematics is a powerful tool for understanding and engaging with the world. Our mathematics curriculum is designed to develop confident, resilient and successful mathematicians who are able to think logically, reason effectively and solve problems with increasing sophistication. We aim to foster a love of mathematics by providing pupils with the knowledge, skills and confidence needed to thrive in education, employment and everyday life. The curriculum is ambitious for all learners and equips them with the mathematical understanding necessary to become active and informed citizens.

Pupils develop both **substantive knowledge** (such as number, calculation, fractions, geometry, statistics and measures) and **disciplinary knowledge** (how to reason mathematically, solve problems, make connections, identify patterns and justify conclusions). Through carefully sequenced learning, pupils build secure mathematical understanding and develop fluency alongside the ability to apply their knowledge in a range of contexts.

Our curriculum reflects the aims of the National Curriculum by ensuring that pupils become fluent in the fundamentals of mathematics, reason mathematically and solve increasingly sophisticated problems. Mathematical learning is designed to encourage curiosity, perseverance and a willingness to take risks, enabling children to approach challenges with confidence and resilience.

The mathematics curriculum is underpinned by the principles of Catholic Social Teaching, particularly human dignity, participation and the common good. We believe that every child is capable of succeeding in mathematics and deserves access to a rich and ambitious curriculum. Through collaboration, discussion and shared problem-solving, pupils develop respect for the ideas of others and recognise the importance of working together to achieve success.

We also aim to develop pupils' cultural capital by helping them understand the role mathematics plays in science, technology, engineering, finance and everyday decision-making. Through meaningful real-life contexts, including financial education, pupils develop an appreciation of how mathematics shapes the modern world and their place within it.

Implementation

Our mathematics curriculum is delivered through the *White Rose Maths* scheme, which provides a carefully sequenced progression of knowledge and skills from Reception to Year 6. Learning is structured to build cumulatively over time, ensuring pupils develop secure understanding before moving onto more complex concepts. The curriculum is aligned with the National Curriculum and places equal emphasis on fluency, reasoning and problem-solving.

In Reception, Year 1 and Year 2, pupils participate in the *NCETM Mastering Number Programme*. This supports the development of strong number sense, secure understanding of number relationships and automatic recall of key number facts, providing firm foundations for future mathematical learning.

Across the school, teaching is informed by the **concrete-pictorial-abstract (CPA)** approach, enabling pupils to develop deep conceptual understanding. Practical resources and manipulatives are used throughout all year groups to support exploration, reasoning and mathematical discussion. Children are encouraged to represent their thinking in a variety of ways, making connections between concrete experiences and abstract mathematical concepts.

Learning is carefully sequenced so that pupils revisit, practise and build upon prior knowledge. Teachers use effective questioning, mathematical talk and collaborative learning opportunities to deepen understanding and develop pupils' ability to explain and justify their thinking. Key mathematical vocabulary is explicitly taught and revisited to ensure pupils can communicate their understanding accurately and confidently.

We also seek to develop pupils' financial literacy and understanding of the role mathematics plays in everyday life. Through our annual *Money Matters Sessions*, pupils explore key financial concepts in an age-appropriate way, including the value

of saving, the importance of budgeting, different methods of payment and how to make informed financial decisions. We are fortunate to work with Nationwide Building Society, whose representatives visit each year group to deliver workshops that help pupils understand money management and the importance of protecting themselves from fraud and financial scams. These experiences support pupils in recognising the relevance of mathematics beyond the classroom and contribute to their preparation for adult life.

We maintain high expectations for all pupils and believe that every child can succeed in mathematics. Ongoing assessment enables teachers to identify misconceptions, adapt teaching and provide timely support where needed. Appropriate scaffolds and representations ensure all pupils can access new learning, whilst rich mathematical tasks and challenges deepen understanding for pupils who are ready to extend their thinking. Our curriculum ensures that all learners are able to participate, make progress and experience success in mathematics.

Impact

The mathematics curriculum at English Martyrs' RC Primary School enables pupils to develop secure mathematical knowledge, strong reasoning skills and confidence in applying mathematics across a range of contexts. Pupils demonstrate increasing fluency in calculation, a secure understanding of mathematical concepts and the ability to explain and justify their thinking using appropriate mathematical language.

Through high-quality teaching and a carefully sequenced curriculum, pupils make strong progress from their individual starting points. Outcomes in mathematics are consistently strong, with attainment regularly exceeding both local and national averages. Pupils leave English Martyrs with a secure foundation in mathematics and are well prepared for the next stage of their education.

Pupils demonstrate resilience, independence and enthusiasm for mathematics. They are able to solve increasingly complex problems, make connections across different areas of learning and apply their mathematical understanding to real-life situations. They understand how mathematics can support informed decision-making, including managing money responsibly and recognising potential financial risks. As a result, our pupils leave English Martyrs as confident mathematicians who recognise the value of mathematics in the wider world and are equipped with the knowledge and skills needed for future success.

Ultimately, our aim is for pupils to leave our school as confident, compassionate and informed young people who use their mathematical knowledge responsibly, serve the common good and strive for excellence in all that they do.