



Mathematics Policy

2024

Through Christ we believe, inspire, achieve.

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1. Curriculum Intent

At English Martyrs, our mathematics curriculum is designed to help children see themselves as mathematicians and develop a lifelong love for maths. We focus on building the skills, knowledge, and understanding necessary for students to become confident problem solvers, critical thinkers, and analytical individuals. Our curriculum introduces students to various mathematical concepts and practices, emphasising the importance and application of maths in everyday life and different careers. The curriculum follows the National Curriculum 2014 and the 2021 Early Years Foundation Stage framework.

Children will develop key mathematical skills, including number fluency, reasoning, and problem-solving. They will understand mathematical concepts, learn to apply their knowledge in real-world contexts, and appreciate the relevance of maths in their lives. Through our curriculum, students will also develop transferable skills such as logical reasoning, strategic thinking, and perseverance. These skills are vital for their overall development and success beyond school.

2. Mathematics and the National Curriculum

Planning follows the National Curriculum objectives for each year group or age band. Objectives are taught to ensure comprehensive coverage and progressive understanding of mathematical concepts.

3. Pupil Experiences

Students will receive daily mathematics lessons in their classrooms or other suitable spaces within the school. They will also have opportunities to participate in extracurricular activities, such as maths clubs and competitions, to further develop their mathematical skills and interests. Maths will be explored in other curriculum areas too (such as science).

4. Rationale

At English Martyrs, we believe that mathematics is a powerful, universal tool that shapes the way students understand the world. It transcends different cultures, abilities, and generations. Engaging with mathematics fulfils an innate human need for problem-solving, logical reasoning, and creative thinking.

5. Equal Opportunities

Inclusion is at the heart of everything we do at English Martyrs. Every student has the opportunity to engage in a variety of mathematical activities where diversity and differences are celebrated and respected. We provide tailored support to ensure all students, including those with special educational needs and those from disadvantaged backgrounds, can succeed in mathematics.

6. Monitoring arrangements

Within the classroom, planning will demonstrate opportunities for children to be challenged and together with Assessment for Learning opportunities (speaking and listening and self/peer assessment) and teacher assessment. In order to inform planning and to assess children's progress. Teachers will use a range of informal strategies, such as AfL, children's books, weekly tests, TTrackstars information, Learning by Questions to make informal judgements on children's abilities. Summative assessments are used termly.

At English Martyrs, we use NFER to assess in Mathematics. Teachers are then required to track pupils using Arbor assessment grids, tracking both scaled scores and age related expectations. Both informal and summative assessments will be used to give a judgement in each term for every child. Teachers will feedback their judgements to SL/HT. When marking work teachers should adhere to the school's Marking Policy. Reporting of mathematics standards happens mid year and at the end of year for parents.

7. Cross Curricular Links

Mathematics is integrated into various subjects throughout the school year. Teachers use mathematical concepts to support learning in other areas, such as science, history, and art. This interdisciplinary approach helps students see the connections between Math and other fields of study.

8. Resources

Teachers have access to the *White Rose Maths* materials and the *Master the Curriculum* program to support their planning and instruction. The school's collection of mathematical resources, including manipulatives and digital tools, is reviewed and updated annually to ensure high-quality learning experiences for all students.

9. Health and Safety

Staff adhere to current health and safety practices, regulations, and safeguarding requirements. Teachers ensure that all mathematical equipment and resources are used safely and appropriately.

10. Monitoring of the Mathematics Policy

The mathematics policy is monitored by the Math Coordinator in collaboration with the Headteacher and the Senior Leadership Team. This ongoing process ensures that the policy is effectively implemented and aligned with the school's educational goals.

11. Evaluation of Policy

The policy is evaluated bi-annually. If student progress or attainment in mathematics falls below expectations, the policy will be reviewed and amended as necessary to address any issues and improve outcomes.