

Mathematics Curriculum Intent, Implementation, and Impact

Intent

At St Mary's, our mathematics curriculum is rooted in Christian values and inspired by the love of Jesus, aiming to empower every pupil to develop confidence, resilience, and independence in mathematical thinking. We intend to provide all pupils with a secure and deep understanding of mathematical concepts, ensuring mastery of foundational skills before progressing to more complex ideas. Our curriculum is inclusive and personalised to meet the diverse needs of our community, including disadvantaged pupils and those with special educational needs. We seek to foster positive attitudes towards mathematics by promoting perseverance, curiosity, and a growth mindset, preparing pupils to think critically and solve problems with courage and determination.

Implementation

Our curriculum is carefully sequenced and delivered through the First4Maths Academy scheme, focusing on strengthening conceptual understanding and fluency in calculation. Teaching follows the "I do, we do, you do" model, enabling pupils to build increasingly complex mental models by connecting new learning to prior knowledge. We explicitly teach key mathematical vocabulary, support reasoning and critical thinking, and anticipate common misconceptions to ensure mastery. Fluency is developed through regular retrieval and spaced practice, allowing pupils to recall and apply mathematical facts confidently. Adaptations and personalised support ensure full access for all pupils. Concrete and abstract representations are consistently used, gradually withdrawing support to enable transfer of knowledge to unfamiliar contexts and prepare pupils for secondary education.

Impact

Mathematics at St Mary's significantly contributes to pupils' development as confident, compassionate, and resilient individuals. It equips them with essential life skills such as logical reasoning, perseverance, and problem-solving, fostering a lifelong love of learning. Pupils develop independence and the ability to approach challenges with determination and respect, reflecting our vision of nurturing well-rounded learners who shine for God, for each other, and for themselves. The curriculum supports strong academic progress and prepares pupils to contribute positively to society with wisdom, hope, tolerance, and dignity.