



The Federation of St Mary's Catholic Schools

"I can do all things through Christ who strengthens me" Philippians 4:13



SMSC and British Values through Maths

At St Mary's, we aim to develop SMSC through Mathematics by:

Spiritual	Maths supports spiritual development by encouraging children to be reflective about their work - making improvements and solving problems. Children can ask mathematical questions, think creatively and make links between maths and the real world around us. Through maths, we encourage children to relish and enjoy challenge, and show resilience, persistence and courage in their approach to learning.
Moral	Maths supports moral development by encouraging children to make rational judgements and express their views with confidence, justifying their answers and the methods used, but also being willing to review and alter their initial views.
Social	Maths supports social development by encouraging children to cooperate and work well as a team to solve problems, sensitively challenging the opinions of others when necessary. We expect children to show excellent behaviour, and we aim to develop their understanding of the positive contribution that can be made to society through maths.
Cultural	Maths supports cultural development by providing a rich range of experiences, placing maths in real life contexts to develop children's awareness that maths is a life skill in all cultures around the world. Children enjoy cultural experiences such as number activities in Spanish and using practical maths. We aim to develop community links through maths related fundraising activities, supporting maths students from universities, and inviting visitors to speak to pupils about how maths is linked to a wide range of careers.

At St Mary's, we aim to develop British Values through Mathematics by:

Democracy	With our 'White Rose Hub' scheme, children are encouraged to take into account the views of others in shared activities. Children will share a range of strategies to solve problems in various ways, encompassing the mastery approach. Also, in Statistics lessons, children will vote when collecting and interpreting data.
Rule of Law	Children will learn specific Mathematical rules and look at these in differentiated variations to ensure they have mastered concepts. Children will develop an attitude that recognises consequences to mistakes when solving problems and look for ways to self-correct.
Individual Liberty	With 'White Rose Hub' children have the opportunity to make individual choices based on the strategies they are fluent with. They also have the opportunity to share these strategies with others.
Tolerance of those with different Faiths and Beliefs	As children develop a 'mastery' approach, they will become more fluent with a range of strategies to solve problems. Mathematics encourages children to work in social situations reinforcing our school's values.
Mutual Respect	At St Mary's, social learning and peer- assessment plays an integral part in children's learning and understanding. Each child has the opportunity to work through and solve problems collaboratively, looking at similarities and differences between individual styles and approaches to solving problems.