

Integrating SMSC in the Mathematics Curriculum

During mathematics lessons, children at Childwall are encouraged to explore deeply into their understanding of mathematics and how it relates to the world around them. Our maths teaching actively encourages risk taking which enables pupils to explore and try new ideas without the fear of failure. This is central to building pupils' self-esteem within mathematics.

Throughout history, the study of mathematics stems from intrigue and curiosity, with people's desire to pose and solve problems relating to the real world or purely within mathematics itself. At Childwall we encourage our children to explore and question the way the world works and apply their reasoning skills by solving problems and puzzles relating to real life situations.

Spiritual:

Maths at Childwall allows children to develop deep thinking and questioning about the way the world works. This helps promote spiritual growth for our children. We aim to give all children an appreciation of the power of maths and how it has developed over time. We encourage children to observe maths in nature and promote a sense of wonder through real life problem solving.

Moral:

In our school, we encourage respect and reward good behaviour. We value listening to others' opinions when solving problems. We promote discussion about our understanding and support each other during lessons. We get involved in projects that promote our understanding of how mathematics links to the real world. For example, we celebrate 'Money Sense' week, helping children understand real life economics and link our learning to understanding the Global Goal of 'Zero Poverty' by joining events such as 'The World's Largest Classroom'.

Social:

We encourage collaborative learning in the classroom in the form of listening and learning from each other through classroom discussion and working partners. We encourage children to explain things to each other and have maths buddies and maths ambassadors across the school helping and supporting learning.

We participate in events such as the 'Primary Mathematics Challenge', events linked to the 'Liverpool Quality Mark' and fund raising events linked to mathematics to increase pupil involvement.

Cultural:

We encourage the children to appreciate the wealth of mathematics in all cultures throughout history. We look at the history of maths and its development. Examples of this include how the different number and measuring systems have evolved. Pupils look at the number systems used by other countries, such as Chinese numbers and how Roman numerals are used particularly on clocks. Pupils consider the development of shape pattern around the world, in particular tessellations and the symmetry of buildings.