

"Through God we Laugh, Love and Learn".

St Michaels First School Maths Curriculum Intent, Impact and Implementation Statement

Curriculum Intent:

At St Michael's, we aim to inspire a love of Maths and provide opportunities for all children to succeed, where an inclusive curriculum is at the heart of all planning. Children should develop a secure knowledge of Maths where they embed key facts and methods. They should identify connections between facts through the use of continued practise. We recognise that practice makes permanent and that key number facts should be embedded into the children's long term memory, allowing for fluency and automaticity in rapid recall.

The curriculum is designed to promote fluency, problem solving and reasoning skills and provides children with opportunities to develop their conditional knowledge and recognise links between prior and new learning. Children should be provided with concrete, pictorial and abstract methods to support them when learning new skills and methods. Through providing children with a solid understanding of number, it is hoped that they will have the confidence to be willing to take risks in Maths and confidently approach problem solving with the ability to build on misconceptions.

Curriculum Implementation

Key Stage 1 and 2 plan in line with the White Rose Maths planning documentation, which provides children with concrete, pictorial and abstract methods and ensures full topic coverage. It provides a variety of fluency and problem solving opportunities and encourages children to use these skills to complete reasoning tasks. Children are provided with opportunities to experience outdoor learning and links to real life situations. Teaching for Mastery is used to secure the understanding of Maths, taught to allow all children to access the lesson at a level suitable for them. The use of ping-pong teaching allows for misconceptions to be easily identified and addressed.

Daily Maths lessons are adapted to ensure that all children can learn and achieve. Key number facts are taught though daily practise, which is supported by the use of various websites, including TT Rockstars and Numbots.

Four times weekly Mastery of Number lessons are taught in all year groups, these allow for the key skills in Maths to be taught and revisited, providing a secure and detailed understanding.

Curriculum Impact

As a result of our Maths curriculum and teaching, children develop into confident mathematicians that are willing to take risks. They show resilience within their learning and can independently apply their knowledge to a range of problems and real life situations. Children have a clear balance between concrete, pictorial and abstract learning and develop a secure knowledge in all areas of Maths.