



Vision

Our Vision is to create mathematicians who:

Make Connections

Apply their understanding and knowledge to solve problems.

Think logically and can explain their thinking.

Have a toolkit of strategies and ways to solve problems.

Stick with it – enjoy maths and improve through perseverance.

Intent

At Swanton Morley, we see Maths as not only a vital life skill, but also as an opportunity to develop a resilient mind-set. Alongside a secure sense of number and calculation, we want our children to be able to apply their learning not just in mathematical contexts, but across the curriculum and to see the value of it in real life. We promote the fun as well as the relevance of mathematics, whilst appreciating that maths can be daunting for some. We support our children through lots of talk and the use of a consistent concrete-pictorial-abstract approach to become mathematicians who regularly marvel in lessons and want to do more!

Implementation

To do this, we use a mastery approach to ensure that our children develop a deep and secure understanding of mathematical ideas and processes that they can then apply in a variety of contexts, including across the wider Curriculum. The content is determined by the Early Years Statutory Framework for Reception and the National Curriculum Programme of Study for Key Stages 1 and 2. In each year group, fluency and reasoning are the key drivers of lessons with plenty of chances for mathematical talk to share and develop ideas. We follow the order of topics taken by the White Rose Maths Schemes of Learning and use their 'Small Steps' to structure our learning, but supplement their resources with a variety of other materials and activities, including those from NCETM, nrich, and Third Space Learning. In addition, we use Times Tables Rock Stars as a vehicle to help develop our children's times tables knowledge and Numbots, especially in Key Stage 1, for practise of number skills and key number facts.

Impact

By the time our Year 6s make the transition to High School, we aim for all our children to not only have made at least expected progress in Maths, but to reflect our Mathematics Vision M.A.T.H.S described above and feel confident enough to pursue the subject of Maths as far as they want to. All children will have experienced the wonder of mathematical connections, patterns and puzzles.