

Mathematics

We believe Mathematics is a tool for everyday life. It is a whole network of concepts and relationships which provide a way of viewing and making sense of the world. It is used to analyse and communicate information and ideas and to tackle a range of practical tasks and real-life problems.

Our mathematics curriculum equips pupils with tools that include logical reasoning, problem-solving skills, and the ability to think in abstract ways. We are passionate about our children developing an excitement for maths and believe that practical maths is essential.

The children in Early Years Foundation Stage (EYFS) work towards their Early Learning Goals in line with EYFS curriculum. Learning is organised to promote social skills and the development of mathematical language and understanding. Mathematical understanding is developed through stories, songs, games and imaginative play.

During Key Stage 1 children are taught in a variety of either mixed or ability class groups as appropriate for their main maths lesson. They are taught mental calculation strategies and they learn about shape and space, through practical activities which build on their understanding of their immediate environment. They develop their use of mathematical language, using it to talk about their methods and explain their reasoning when solving problems.

During Key Stage 2, children are again taught in mixed or ability groups for their daily maths lesson. They move from counting reliably to calculating fluently with all four number operations. Children will use a wider range of mathematical language, diagrams and statistical charts. They learn to tackle a problem with mental methods in addition to using any other approach, always supported with help and encouragement. They extend and secure their use of mathematical language, using it to talk about their methods, explain their reasoning when solving problems and applying it during investigations.

Mathematics is based on the New Primary Curriculum 2014 document for the teaching of mathematics from Year 1 to Year 6, and we use Abacus Active Learn to support our maths, supplemented by use of Mathletics and Nrich materials. Progress is monitored in termly target setting and Pupil Progress Meetings (PPM).