

Maths at Kingsmoor Academy

At Kingsmoor Academy our aim is to ensure that children feel confident and positive about the Maths learning they take part in on a daily basis. In order to ensure a deep level of understanding in Maths we are introducing 'Maths Mastery' as a way of delivering the curriculum in an engaging and accessible way. This approach is designed to encourage children to physically represent mathematical ideas. A variety of methods including using objects and pictures are used to show and visualise abstract ideas as well as numbers and mathematical symbols. We endeavor to provide children with a rich and deep learning experience by presenting them with a range of problem-solving contexts.

Our Early Years Foundation Stage children are provided with opportunities to explore mathematical ideas in our indoor and outdoor learning environments. They learn through nursery rhymes, practical activities and purposeful Maths play including making shapes and patterns in sand, using language such as 'heavier and lighter' with water, matching socks in the role play area and so on. This natural way of learning is a vehicle for fostering mathematical concepts and helps children to understand their world.

In Key Stage 1 and 2 children work enthusiastically to learn their times tables. Children carry out a multiplication activity every day for 10 minutes in order to build fluency and accuracy. Children learn their times tables through regular practice and by applying them to different problems.

Links between Mathematics and other subjects

Mathematics links with many subjects across the primary curriculum and opportunities are taken to draw mathematical experience out of a wide range of activities. This allows children to use and apply mathematics in a real context, and is an integral part of the mathematics curriculum.

ICT in Maths

ICT is used in various ways to support teaching and motivate children's learning. ICT includes laptops, calculators and audio-visual aids, but in applying Maths skills also includes digital thermometers and timers in order to enhance learning.