



Mathematics at Danbury Park Community Primary School

At Danbury Park Community Primary School we teach maths as the Mathematics aspect of the National Curriculum.

Mathematics is taught to all pupils from the Early Years Foundation Stage through to Year 6 and each class has a daily timetabled lesson. At Danbury Park Community Primary School we believe that children are entitled to high quality teaching of mathematics and so the lessons are prepared and delivered by highly competent teachers. These lessons allow the children to become fluent in their mathematical knowledge and to reason and problem solve with increasing confidence. By the end of their primary education, the teachers at Danbury Park Community Primary School aim for every child to enjoy and succeed in mathematics.

Mathematics in Early Years Foundation Stage (EYFS)

At Danbury Park School, we believe that Mathematics (maths) is an important part of learning for all children in the early years and receiving a good grounding in maths is an essential life skill. As well as numeracy, it helps skills such as problem solving, understanding and using shapes and measure and developing their own spatial awareness. The children learn in a variety of ways that are engaging and appropriate for their age including a range of child-led and adult-led activities.

Mathematics in Key Stage 1

In Key Stage 1, the teaching of mathematics continues to build upon the firm foundations laid in EYFS. Emphasis is still on learning through a practical curriculum, leading to pictorial representations and lastly the abstract. Whilst in Key Stage 1 the pupils continue to develop their confidence and mental fluency with whole numbers, counting, place value, and have the opportunity to develop their ability to recognise, describe, draw, compare and sort different shapes, and use the related vocabulary. The teaching also involves using a range of measures to describe and compare different quantities such as length, mass, capacity/volume, time and money.

Mathematics in Key Stage 2

The approach to teaching mathematics in KS2 is very similar to that used in KS1. The children are taught through a practical curriculum, pictorial representations and finally abstract. They have the opportunity to consolidate their learning allowing fluency to be achieved and use this knowledge to reason and problem solve. As they progress through the school, their skills to work independently increase, enabling them to solve high-level problems.

Clubs

At Danbury Park Community Primary School the children have the opportunity to consolidate their learning and to enjoy the opportunity for mathematical challenges through the use of two on-line facilities: *Mathletics* and *Times Table Rock Stars*. Both of these are also available for use at home. Each week children from Year 2 to Year 6 have the opportunity to meet at lunchtime to practise their learning and to challenge their friends using both of these sites.



Outside Challenges

Each year children in Year 6, who have a flair for mathematical problem solving, participate in the national Primary Mathematics Challenge. A group of Upper Key Stage 2 pupils also attend a local inter-school mathematics competition, which enables them to work together as a team using their wide range of mathematical skills against children representing other schools.