

Old Park Primary School

Statement for Mathematics

At Old Park we believe that maths is a subject which is essential to everyday life. Maths develops lifelong learning skills, including the ability to persevere, work independently, make mistakes and take risks. Our curriculum offers creative contexts and links with other subjects to stimulate thinking, promote enjoyment and develop curiosity and enquiry.

We believe that our pupils should not see maths as a list of rules and methods to be remembered but as patterns, links and connections. At Old Park we promote the ability to reason mathematically and be able to solve problems through making observations and proving ideas with evidence in order to form conclusions.

We aim for all pupils at Old Park to:

1. Develop a love of maths by making it purposeful and giving it meaning in everyday life.
2. Take part in lessons which are collaborative and active.
3. Understand maths as a result of using concrete, pictorial and abstract models.
4. Become problem solvers through developing lines of enquiry, making links and proving their ideas using mathematical models.

Mastery:

We believe that all children can and will achieve in mathematics; that all pupils should be taught the same content at the same time, spending longer on topics to embed learning.

We will offer depth, through rich and challenging problems, for those pupils who grasp concepts quickly before moving on.

We will offer rapid intervention for those pupils who need it.

The National Curriculum aims for pupils to become fluent in the basics of maths, through regular and varied practice with problems that become progressively more challenging, so that pupils develop their understanding and the ability to recall and apply knowledge quickly and accurately.

To reason mathematically by linking ideas and making generalisations, developing an argument, justifying or proving using mathematical language.

To solve a variety of problems including breaking them down into a series of simpler steps and persevering in seeking solutions.