

How to support your child

Try to make maths as much fun as possible—games, puzzles and jigsaws are a great way to start. It's also important to show how we use maths skills in our everyday lives and to involve your child in this.

Play maths games e.g. snakes and ladders, Connect 4

Support your child in learning to recall times tables.

Attend the termly maths workshops run by the school. During these workshops you will have opportunity to find out more about how maths is taught and learn some maths games that you can play at home with your child.

Encourage children to use maths at home e.g. cooking, telling the time, using money.

Play maths games on the internet. There are many websites with educational games e.g. BBC Schools.



Use of Apparatus

Central to the teaching of mathematics is the use of concrete apparatus which supports children in developing concepts such as addition or division. Pupils use equipment including numicon, counters, dines rods or bead strings to help develop concepts.

Children's learning then develops to the pictorial stage where they incorporate recognisable number pictures and patterns.

Finally children will then move onto standard methods (algorithms) for addition subtraction, multiplication and division.



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BUSH HILL PARK PRIMARY SCHOOL



Mathematics



Curriculum

At Bush Hill Park Primary School all children take part in a daily mathematics lesson.

The National Curriculum for mathematics aims to ensure that all pupils:

- Become fluent in the fundamentals of mathematics, including through varied and frequent practice with increasingly complex problems over time, so that pupils develop conceptual understanding and the ability to recall and apply knowledge rapidly and accurately.
- Reason mathematically by following a line of enquiry, conjecturing relationships and generalisations, and developing an argument, justification or proof using mathematical language.
- Can solve problems by applying their mathematics to a variety of routine and non routine problems with increasing sophistication, including breaking down problems into a series of simpler steps and persevering in seeking solutions.

Mathematics Mastery has been introduced in Reception and Year 1. Children learn through investigation which supports them in developing a deeper understanding of key mathematical concepts.

In Years 2-6 children follow the National Curriculum for Mathematics. They work towards end of year expectations and follow medium term plans produced by the London Borough of Enfield.

Maths Mastery

Mathematics Mastery is an exciting new scheme which has been introduced in Reception and Year 1. The emphasis is on developing deep understanding of mathematical concepts. In Reception it ensures that all the requirements of the 2014 Early Years Foundation Stage Curriculum are met. The aim is to enable pupils from a young age to be confident mathematicians who display real enthusiasm and enjoyment for the subject.

The key principles of Mathematics Mastery are:

Language and Communication

Mathematical Problem Solving

Mathematical Thinking

Conceptual Understanding

The lessons are carefully structured to allow children to master the curriculum before they move onto the next stage. Higher attaining pupils are challenged through more demanding problems. All pupils are challenged and expected to work hard.

Calculations

Mental Calculations

Mental Calculation is a vital part of the mathematics curriculum. It is taught as part of the daily mathematics lesson. A copy of the Enfield Mental Calculation Policy is available on the school website.

It is essential that children become fluent in the recall of number facts and times tables and they can be supported at home to learn these.

Calculation Policy

Bush Hill Park Primary School has a calculation policy which is written to give guidance on how we teach addition, multiplication, division and subtraction.

This policy outlines the progression in teaching and outlines the written methods taught within school.

A copy of this policy is available on the school website or from the school office.

Maths Meetings

These are held each day for 15 minutes. The key focus of the maths meeting is to reinforce key mathematical facts that include: time, money, shape, pattern and number. Each maths meeting is fun and interactive and may include songs, rhymes and games.