

Why is Maths important?

At Monkfield Park, we aim to provide all students with a mathematics curriculum which is grounded in essential skills and knowledge, but also encourages exploration and investigation, preparing them well for life and work. We believe no child should be left behind, and should instead have access to experienced and enthusiastic maths mastery teaching, in order to achieve their full potential.



Maths

What do we **intend** Maths to look like at Monkfield Park?

Our aims are to:

- Promote the learning and enjoyment of Maths, through creative and cross-curricular teaching
- Develop and train all our staff in excellent practice, for the benefit of all pupils
- Plan and deliver high-quality lessons throughout the school
- Embed maths mastery teaching across the classrooms, to ensure children learn not just processes, but the 'why' behind the mathematical concepts they are learning.
- To encourage pupils to take ownership of their own learning, which gives them the confidence and enthusiasm to support their own progress
- To embed all key concepts through cross-curricular teaching and learning, to ensure fluency
- Making links between subjects, cementing their understanding of important mathematical processes
- Continuous use of real-life examples to ignite their enthusiasm and make the maths relatable
- Ensure all pupils have a secure understanding and use of mathematical language
- To explain, reason and justify to demonstrate a deep understanding of mathematical concepts
- Experience a variety of problem-solving investigations, which allows pupils to explore possible methods, ideas and solutions, in order to enrich their learning.

When **implementing** the Maths curriculum you will see ...

A constant use of mathematical language and differentiated questioning in all, to support and challenge all pupils

Maths mastery teaching and work, and challenges to extend

The use of concrete resources throughout the school, to embed the idea of 'Build it, Draw it, Write it, Say it'.

The use of a variety of planning programmes, adapted to meet the needs of specific pupils and cohorts.

Classroom displays enabling children to access reminders of concepts and processes, for their own development

Key mathematical concepts used in other core and foundation lessons

Investigations and explorations in whole class maths lessons

How Maths will **impact** our learners?

"It makes me know more adding and subtraction." Year 1 child

"Nearly every job you do uses maths, for example knowing angles." Year 4 child

"When you are doing maths, you use it in your daily life, and it always get you thinking." Year 6 child

"Being able to work with numbers confidently is an essential skill in everyday life." Parent

"Maths is in everything we do – science, problem-solving, money, computing." Teacher