Maths

Michael Faraday Curriculum Impact 2022/23



Impact Reflection

At our school all children believe that they are mathematicians. Children enjoy the subject and willingly take on challenges to expand and extend their learning.

We encourage fluency through our daily CLIC practice and children feel confident and competent at arithmetic skills. White Rose reasoning and problem-solving supplements our teaching and through this, children have developed their ability to explain their method choices and to justify their answers.

Practical activities are used throughout the school to demonstrate learning in a tangible context that children can connect to. We use the principle of concrete -> pictorial -> abstract to ensure that children have a firm grasp of concepts before they are moved on with their learning.

Children are proud of their progress in maths and love to demonstrate their learning. We encourage peer-support and this benefits everyone; in particular, challenging the higher attainers to deepen their understanding by helping others.





lt's my favourite subject and everyone thinks I'm very good at it." Year 3 Pupil

"My favourite topic in maths was co-ordinate grids because I enjoyed learning from my mistakes. I learn that grids can have minus numbers and about translations and the difference between co-ordinates and translation."

"I really like maths. "I feel like I'm very gifted It's my fam. at maths. I feel confident and comfortable. l like hard problems. It's very fun. I like a little bit of a challenge." Year 5 Pupil.

> "Yes. I like numbers, like 2 and 4. They're in the 2s. I know my 2s: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26..." Year 1 Pupil

"If I get stuck I would try and think if there's another way | understand. A method I might understand better." Year 3 Pupil

"Every week CLIC is different and we build up to Big Maths Beat That. We see the same thing again after a few weeks. It helps to make sure we understand it fully." Year 5 Pupil

We intend to continue to encourage a love of maths and an understanding of its importance by holding annual maths weeks and regularly highlighting examples of maths in everyday life.

Examples of learning

Year 6 Pupil "I like adding. For example 48 + 19 = 67. I know because I did 8 + 9 = 17 so we put the 7 here and 4 and 1. The 1 in 19 and the 1 in 17 would have to add up so you get 2. Then you do the 4 add the 2." Year 2 Pupil



