



Maths Overview

Why?

We want all pupils at St Peter's Church of England Primary School to experience power and enjoyment of mathematics and develop a sense of curiosity about the subject with a clear understanding. We believe it is important that our pupils learn how to reason logically and develop their problem-solving skills, which will help them understand the world around them and how to use and apply this knowledge in their daily life. At St Peter's, we foster positive can-do attitudes, and we promote the fact that

'We can all do maths!'

How?

At St Peter's, we follow a 'Teaching for Mastery' approach to mathematics teaching, which has at its heart a belief that all children can achieve well and be successful mathematicians. Mastering maths means pupils acquire a deep, long-term, secure and adaptable understanding of the subject. This approach promotes teaching for depth and enables children to develop their independence, confidence and competence in mathematics through the use of carefully designed small steps in and across lessons.

Following the White Rose structure, our teaching for mastery is underpinned by the NCETM's 5 Big Ideas.

- Opportunities for Mathematical Thinking allow children to make chains of reasoning connected with the other areas of their mathematics.
- A focus on Representation and Structure ensures concepts are explored using concrete, pictorial and abstract representations, the children actively look for patterns and generalise whilst problem solving.
- Coherence is achieved through the planning of small, connected steps to link every question and lesson within a topic.
- Teachers use both procedural and conceptual variation within their lessons to develop conceptual understanding
- The development of fluency in number facts is given a high priority both within and outside of maths lessons



What?

By the time children leave St Peter's, they are confident mathematicians who can apply their mathematical skills to a range of situations. They have mathematical fluency that allows them to solve a range of calculations quickly and accurately. We strive to ensure that children at St Peter's can recall all of the facts and information that they need to tackle the next stage of their mathematical learning. Most importantly, they have a curiosity about how maths is relevant in the world around them. We aim to inspire children to make connections not only between mathematical concepts but how these link with other curriculum areas and the world around them.