



Maths at Church Vale



At Church Vale Primary School we use a Teaching for Mastery approach to Mathematics. We use White Rose Premium Resources as our spine resource, with each child having their own White Rose Booklet alongside a maths book too. We use TT Rockstars to help children learn their times tables, with some children accessing boosters and same day interventions to plug the gaps. In Foundation and KS1 our children are part of the Mastering Number program to boost their number fluency.

We are currently part of a Maths Hub work group and have a Maths Specialist working with the school to help sustain good maths teaching around the school.

Reasoning is the bridge between fluency and problem solving

What you can expect to see if you visit a maths lesson

- You should see the Teaching for Mastery 5 Big Ideas: Representation and Structure, Mathematical Thinking, Coherence, Variation and Fluency.
- During a whole class lesson, adult talk, modelling and reasoning is interspersed with children's talk, exploration, reasoning and independent practice. We describe this as a ping-pong structure, where children are active participants in their learning.
- Each carefully planned lesson takes children on a learning journey, children learn together from a shared starting point through small coherent steps.
- Key maths concepts are revealed throughout the lesson with concrete, pictorial and abstract representations. Teachers use procedural and conceptual variation, so children understand the structure of the mathematics for a variety of angles.
- Maths concepts and structures are revealed through careful modelling, the use of a range of representations, and also through specific vocabulary, questioning and stem sentences.
- Tasks are not explicitly differentiated. It is expected that all children will access the learning through appropriate support and skilful questioning. Children support each other's learning through talk partners, discussion and working in mixed attainment pairs. Children can talk about and explain the mathematics they are learning.
- Challenge and deep learning is given through, reasoning and open ended challenging problems.
- Maths fluency is taught alongside the key concepts.
- White Rose is used as an opportunity to explore a variety of strategies and representations and make connections to previous learning.
- Most feedback will be immediate and verbal.