



Templenewsam Halton Primary School

Curriculum Intent statement - Maths

Why do we teach this? Why do we teach it in the way we do?

The national curriculum states 'Mathematics is an interconnected subject in which pupils need to be able to move fluently between representations of mathematical ideas.' Therefore, the intention for mathematics is to ensure that all pupils become fluent, can reason mathematically and solve problems. 'Pupils should make rich connections across mathematical ideas to develop fluency, mathematical reasoning and competence in solving increasingly sophisticated problems.'

Mathematics is an important and creative discipline that helps us to understand and change the world. We want all children at Templenewsam Halton Primary to experience and enjoy mathematics through our three core values: adventure, community and communication.

At Templenewsam Halton Primary we have adopted a mastery approach, following The White Rose Scheme of Learning, to deliver the three aims; fluency, reasoning and problem solving. This fosters our positive can do attitude and underpins our belief that all children can achieve in maths.

We believe all children can achieve in mathematics, and teach for secure and deep understanding of mathematical concepts through manageable steps. We use mistakes and misconceptions as an essential part of learning and provide challenge through rich and sophisticated problems. At our school, the majority of children will be taught the content from their year group only. They will spend time becoming true masters of content, applying and being creative with new knowledge in multiple ways.

We aim for all pupils to:

- become fluent in the fundamentals of mathematics so that they develop conceptual understanding and the ability to recall and apply knowledge rapidly and accurately.
- be able to solve problems by applying their mathematics to a variety of problems with increasing sophistication, including in unfamiliar contexts and to model real-life scenarios
- reason mathematically by following a line of enquiry and develop and present a justification, argument or proof using mathematical language.
- have an appreciation of number and number operations, which enables mental calculations and written procedures to be performed efficiently, fluently and accurately to be successful in mathematics.

