



Mathematics Intent Statement

Mathematics is an important creative discipline that helps us to understand and change the world. We want all pupils at Bythams Primary School to experience the beauty, power and enjoyment of Mathematics and develop a sense of curiosity about the subject with a clear understanding. At Bythams school, we have adopted a mastery approach in order to deliver the three aims of the National Curriculum, fluency, reasoning and problem solving. We foster positive can-do attitudes and we promote the fact that 'We can all do 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. 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.

- We stress the importance of knowing multiplication tables. By the end of year 4, most pupils should have memorised their multiplication tables up to and including the 12- multiplication table.