



Maths

Intent Statement

Mathematics is an important creative discipline that helps us to understand and change the world. We want all pupils at Marlborough Primary Academy to experience the beauty, power and enjoyment of mathematics and develop a sense of curiosity about the subject with a clear understanding. We foster positive can-do attitudes and 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 concepts through manageable steps within a mastery curriculum. We use mistakes and misconceptions as an essential part of learning and provide a wide range of opportunities for problem solving and application of reasoning skills. They will spend time becoming true masters of content, applying new knowledge in multiple ways.

Aims:

- Become fluent in the fundamentals of mathematics, including through varied and frequent practice with increasingly complex problems over time, so that pupils develop conceptual understanding and the ability to recall and apply knowledge rapidly and accurately
- Reason mathematically by following a line of enquiry, conjecturing relationships and generalisations, and developing an argument, justification or proof using mathematical language.
- Can solve problems by applying their mathematics to a variety of routine and non-routine problems with increasing sophistication, including breaking down problems into a series of simpler steps and persevering in seeking solutions.