

Maths at Ravenfield Primary Academy

Mathematics is a creative and highly inter-connected discipline that has been developed over centuries, providing the solution to some of history's most intriguing problems. It is essential to everyday life, critical to science, technology and engineering, and necessary for financial literacy and most forms of employment. A high-quality mathematics education therefore provides a foundation for understanding the world, the ability to reason mathematically, an appreciation of the beauty and power of mathematics, and a sense of enjoyment and curiosity about the subject.

The curriculum at Ravenfield Primary Academy for mathematics aims to ensure that all pupils:

- 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.

At Ravenfield, pupils will become fluent in the fundamentals in mathematics through high quality, creative teaching and frequent practice. They will be able to apply their knowledge of mathematics and conceptual understanding to reason and justify decisions, break down problems and solve them in an efficient way. By mastering, and understanding the beauty of mathematics, they be capable to using mathematics in everyday life, understand that mathematics is critical to science, technology and engineering, and necessary for financial literacy.

