

The Mathematics Curriculum

***'Mathematics is essential to everyday life... 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.'* – National Curriculum 2014'**

Our Mathematics curriculum is taught daily in discrete lessons. We follow the Busy Ant Maths sequence of learning which:

- Is directly written to address the intent of the National Curriculum 2014.
- Carefully sequences knowledge, concepts and procedures to build mathematical knowledge and skills over time – there are opportunities to revisit and deepen this knowledge across each year and key stage.
- Develops connections through mathematical reasoning and problems solving.
- Breaks new learning into manageable steps.
- Provides flexibility in curriculum planning to allow for consolidation of prior learning and to address identified gaps in knowledge.
- Identifies, suggests and provides concrete, pictorial symbolic and language resources to support the development of mathematical understanding.
- Ensures consistency across the school.
- Develops pupils in becoming fluent in the fundamentals of mathematics so that they develop conceptual understanding and the ability to recall and apply knowledge rapidly and accurately.
- Challenges pupils to reason mathematically by following a line of enquiry where mathematical language is used to justify and prove findings and understanding.
- Encourages pupils to solve problems by applying their mathematics to a variety of problems.

Furthermore, the school uses:

- Times Tables Rock Stars to support practise and learning of times tables.
- Uses assessment to identify gaps and areas requiring further teaching and learning.

We follow the Medium-Term Plan from the Busy Ants Mathematics Scheme