

Mathematics

Flourish and grow with responsibility, respect and resilience.

“As I have loved you, so you must love one another.”

John 13:34

Mathematics Intent

At Harleston CE Primary Academy, we believe that a high-quality mathematics education provides a foundation for understanding the world, the ability to reason mathematically, an appreciation of the beauty and power of mathematics and we strive for all children to have a sense of enjoyment and curiosity about the subject. By using the three strands of the National Curriculum, children will have the opportunities to become fluent in the fundamentals of mathematics, they will be able to reason mathematically by following a line of enquiry, understanding relationships and generalisations, and will solve problems by applying their mathematics to a variety of problems with increasing sophistication, including breaking down problems into a series of simpler steps and demonstrating resilience in seeking solutions. The children will be taught through the five strands of the National Curriculum:

- Number and place value
- Number – addition, subtraction, multiplication and division
- Number – fractions (including decimals and percentages)
- Ratio and proportion
- Algebra
- Measurement
- Geometry
- Statistics

Implementation

- A daily lessons for mathematics, which carefully plans for progression and depth;
- Challenge questions for pupils to apply their learning in problem solving situations;
- The opportunity to discuss and reflect on learning
- Knowledge organiser are being developed which outlines key knowledge (including vocabulary) all children should master;

Impact

Our mathematics curriculum is high quality, well thought out and is planned to demonstrate progression. If children are keeping up with the curriculum, they are deemed to be making good or better progress. In addition, we measure the impact of our curriculum through the following methods:

- A reflection on standards achieved against the planned outcomes;
- Half-termly testing which informs future planning and intervention;
- Pupil discussions about their learning.