

Curriculum Intent Statement

Mathematics
at
St Paul's Peel CE Primary School



Intent

Mathematics teaches children how to make sense of the world around them through developing their ability to calculate reason and solve problems.

Mathematics 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.

We aim to support children to achieve economic well-being and equip them with a range of computational skills and the ability to solve problems in a variety of contexts.

At St Paul's Peel C.E. Primary School, children are encouraged to make mistakes in a safe and supportive environment. They are supported to discuss these misconceptions with their peers and staff alike. At our school, the majority of children will be taught the content from their year group. They will spend time becoming true masters of content, applying and being creative with new knowledge in multiple ways.

Implementation

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. including the varied and regular practice of increasingly complex problems over time.
- **Reason mathematically** by following a line of enquiry and develop and present a justification, argument or proof using mathematical language.
- Can **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 persevering in seeking solutions – including unfamiliar contexts and real-life scenarios.

Sequence & structure

We follow the National Curriculum, which sequences and structures the teaching into the year groups. In order to ensure this curriculum is covered in full and in manageable and logical steps, we follow the White Rose planning in EYFS, KS1 and KS2.

Impact

By the time children leave our school they will: By the end of KS2 we aim for children to be fluent in the fundamentals of mathematics with a conceptual understanding and the ability to recall and apply knowledge rapidly and accurately. They should have the skills to solve problems by applying their mathematics to a variety of situations with increasing sophistication, including in unfamiliar contexts and to model real-life scenarios. Children will be able to reason mathematically by following a line of enquiry and develop and present a justification, argument or proof using mathematical language.