



Curriculum Intent Statement for Mathematics

Our School Vision

"Our school is a church school with strong Christian foundations. We aim to provide the very best for every child in our school and to help them to reach their potential within a safe and secure Christian environment. Our current Vision is based on the school needs at the current aim and is based on:

"Be kind and compassionate to one another, forgiving each other, just as in Christ, God forgave you." Ephesians 4:32

St George's Church of England Primary School - supporting each other to courageously flourish, within our community, armed with our shield of Christian values. Be Kind. Be Compassionate. Be Forgiving."

Curriculum Intent

At St George's Primary School, we believe that the curriculum should:

- deliver a depth and breadth of learning
- excite and engage children
- be relevant to the school's improvement journey
- allow children to embrace challenges with resilience
- develop children who show compassion to all

Our curriculum aims to provide for progression through a balance of knowledge and skills across a combination of discreet teaching and robust cross curricular links. It will be made accessible to all children in a fully inclusive manner.

The whole curriculum should also contribute to children's moral, social, cultural and spiritual development in support of our vision for the St George's School community.

Intent

Mathematics plays an important role in everyday life and, with this in mind, at St George's Primary School, we believe Maths is a creative discipline that helps us to understand and change the world. All pupils experience a high-quality mathematics education where we provide the foundations for children to experience the beauty and power of mathematics, and a sense of enjoyment and curiosity about the subject.

We enable children to grow as mathematicians through fostering a positive can-do attitude by promoting the fact that 'We can all do Maths!' Maths is a journey and we believe all children can achieve in mathematics, and teach for secure and deep understanding of mathematical concepts by providing small manageable steps. We use mistakes and misconceptions as an essential part of learning and provide challenge through rich and sophisticated problems before acceleration through new content. At St George's, the children are taught following the National Curriculum objectives. They will spend time becoming true masters of content, applying and being creative with new knowledge in multiple ways.

We aim for all pupils to:

- Become **fluent** in the fundamentals of mathematics so they develop conceptual understanding and the ability to recall and apply knowledge rapidly and accurately.
- Be able to **solve problems** by applying their mathematics to a variety of problems with increasing sophistication, including in unfamiliar contexts and to model real-life scenarios.
- **Reason mathematically** by following a line of enquiry and develop and present a justification, argument or proof using mathematical language.
- Have an appreciation of number and number operations, which enables mental calculations and written procedures to be performed efficiently, fluently and accurately to be successful in mathematics.

Implementation

Objects, pictures, generalised sentences, sentence stems and key vocabulary are everywhere. The can do approach incorporates all of these to help children explore and demonstrate mathematical ideas, enrich their learning experience and deepen understanding. This allows us to uphold our school vision which aims to enable all children to access their learning inclusively. Year by year curriculum maps reflect the National Curriculum statements. These curriculum maps are broken down into termly overviews and then daily Key Learning Points (Managable Steps). Key concepts are revisited through Maths on Track to ensure that children revisit and secure knowledge of new concepts. EYFS children follow the EYFS Profile to learn through a balance of child-initiated and adult-directed activities. Their experiences are planned for both an inside and outside experience.

Maths Lesson:

Children are taught Mathematics daily for approximately one hour (Split between two sessions: Maths and Maths On Track (Quick Maths). We deliver our Maths lessons through small step progression so that pupils become fluent in the fundamentals of mathematics. This allows for them to develop a conceptual understanding and the ability to recall and apply knowledge rapidly and accurately. The Curriculum has been designed so that children can linger longer over key concepts that have been proven to cause challenges if not fully understood.

Our lessons follow a consistent approach where new content is taught and modelled explicitly and pupils are provided with a series of standard and non-standard questions that has a particular emphasis on the use of mistakes and misconceptions as an essential part of learning. This allows the children to reason mathematically by following a line of enquiry which gives them the opportunity to develop and present a justification, argument or proof using key mathematical language. Support is determined during each lesson to ensure secure understanding based on the needs of the child.

Challenge is visible throughout the whole session through questioning, where children are asked to reason and prove their understanding at a deeper secure level.

Impact

When stepping into a Maths Lesson at St Georges, you will see engaged children who are challenged and confident to talk about Maths, their learning and the links between Mathematical

areas. Children will show fluency in the fundamentals of mathematics with a strong understanding and ability to recall and apply knowledge. Children will demonstrate the skills to solve problems by applying their mathematics to a variety of situations with increasing sophistication. You will also see children reasoning mathematically by following lines of enquiry and incorporating key vocabulary.