



Maths Curriculum Statement

Intent

Mathematics is an important creative discipline that helps us to understand and change the world. We want all pupils at All Saints Primary School to experience the beauty, power and enjoyment of mathematics and develop a sense of curiosity about the subject with a clear understanding. At All Saints, we foster positive can do attitudes and we promote the fact that 'We can all do maths!' We believe all children can achieve in mathematics, and teach for secure and deep understanding of mathematical concepts through manageable steps. We use mistakes and misconceptions as an essential part of learning and provide challenge through rich and sophisticated problems. At our school, the children will be taught the content from their year group only. They will spend time becoming true masters of content, applying and being creative with new knowledge in multiple ways once they have secured the fundamental fluency or number and calculation.

We intend for all children 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.
- 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

Our whole curriculum is shaped by our school vision which aims to enable all children, regardless of background, ability, additional needs, to flourish to become the very best version of themselves and 'let their lights shine'. We teach the National Curriculum, supported by a clear skills and knowledge progression. This ensures that skills and knowledge are built on year by year and sequenced appropriately to maximise learning for all children.

Daily 15 min maths skills sessions prior to the maths lesson, allow or teachers to recap and/or teach the key arithmetic skills needed in the maths lesson. This combined with pre-teaching and group support allows all children to access the learning within the lesson. Our maths curriculum at All Saints is currently heavily focussed on number and calculation. Our children must secure knowledge of the mental and written methods for their year group before they are moved onto reasoning and problem solving. We now have a consistent calculation policy that builds on the previous learning and allows for consistent approaches to both calculation and presentation. Staff subject knowledge and confidence is strong following high-quality professional development, in school and aided by the Maths Mastery project through the local maths hub.

Impact

By the end of KS2 our children will be fluent in the fundamentals of mathematics with a conceptual understanding and the ability to recall and apply knowledge rapidly and accurately. They will 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. As one of our key 'Lamps of Learning', the skills and knowledge our children gain in maths will positively impact across the curriculum and every 'Journey of Discovery', particularly in science and design technology. Upon completion of their Journey of Discovery in maths, the children of All Saints will possess all the necessary knowledge, skills and enthusiasm for them to succeed in the next phase of their mathematical journey.