

St Faith's Church of England Infant and Nursery School

Our inclusive St Faith's family strives to enable all to achieve their full potential and inspire a community of hope and friendship.

We seek excellence by ensuring a safe, respectful and flourishing learning community, where differences are celebrated and our genuine love and high expectations make a difference to all.

"Aspire not to have more, but to be more." (Oscar Romero)

Maths Intent and Implementation

Maths Intent

At St Faiths, We aim to create independent mathematicians. Our approach aims to provide all children with full access to the curriculum, enabling them to develop:

- Confidence
- Independence
- Competence

Through a high quality curriculum children will become:

- Fluent in the fundamentals of mathematics
- Reason mathematically
- Solve problems
- Equip children with the foundations of maths essential to everyday life.

Implementation of Maths

We aim to encourage our children to remember knowledge and build on their prior learning by:

- Ensuring we carefully consider how knowledge is sequenced.

Use a learning sequence that supports children through the use of:

- Practical equipment (enactive stage)
- Representational images and resources (iconic)
- Symbols (abstract)
- Children are explicitly taught the skills of subitising, cardinality, ordinality and counting, composition and comparison.
- Children are expected to use Stem Sentences to develop their use of mathematical language.
- All learners will be assessed within their classes and then supported in line with the school's commitment to inclusion, through careful planning that is adapted to stretch, guide and support every member of every class.
- Through the use of the Progression and Skills Document (which is in line with EYFS and National Curriculum) teachers will plan for learning carefully throughout the year in order to ensure progress is made in each term and across each year group.

Impact *(KS1 and EYFS)*

At St Faiths Church of England Infant School our aims for the teaching and learning of mathematics are founded on a belief that ALL children should enjoy equality of access to the provision of a high quality curriculum that will:

- extend each child to his or her fullest potential, building on previous experiences and recognising individual capabilities.
- enable children to achieve a high standard in numeracy and a range of other mathematical skills and apply these skills with confidence and understanding when solving problems
- foster interest, confidence and enjoyment in mathematics
- provide opportunities to apply mathematical learning in everyday situations and enable children to use and apply their knowledge in the world outside.
- enable children to have a sense of the size of a number and where it fits in the number system and know by heart number facts such as number bonds, multiplication facts, doubles, and halves.
- enable children to calculate accurately and efficiently, both mentally and with pencil and paper, drawing on a range of calculation strategies and understanding of the required operations.
- encourage children to explain their methods and reasoning, use correct mathematical terms, judge whether their answers are reasonable and have strategies for checking them. Encourage children to make estimates, and to try a range of different strategies and approaches.
- provide contextual challenges which span the whole application of mathematics, including the use of data, shape and measures.

Updated by Sarah Walton and Hazel Talbot May 2022