

St. John's Church of England VA Primary School



Mathematics Policy

Head Teacher	N. Pallister
Chair of Governors	A. Harris
Reviewed	July 2025
Next Review	July 2027

Shining Brightly Together As One Family

Contents:

1. St. John's Christian Vision and Values
2. Statement of Intent

1. St. John's Christian Vision and Values

We have high aspirations and expectations for all our pupils, aiming to provide a safe and secure environment in which everyone can flourish and grow as God's children. Working together with parents and carers, we are building strong relationships, enabling us to 'Shine Bright Together as One Family.'

This reflects our Christian vision and associated values, where every member of our school community – pupils, parents, staff and governors – has a role to play in ensuring every person thrives. Our vision is based on the words of Jesus written in Matthew chapter 5 verse 16:

“In the same way, let your light shine before others,
that they may see your good deeds and glorify your Father who is in heaven.”

The desire at St. John's is for every person to shine their own light brightly, whether it be through academic ability, sport, music, art or personal interest outside of school. Everyone is important and special: a unique masterpiece in the eyes of God.

We also feel it is important that we are never truly alone. At St. John's, we stand together with each other, supporting and helping, celebrating and comforting. We are one school, church and community family, doing life together.

The four key Christian values which are particularly important in the life of our school:

- Forgiveness
- Friendship
- Respect
- Perseverance

St. John's CofE (Aided) Primary School

Mathematics Policy

Intent

At St John's C of E Primary School our mathematical learning journey begins in our Early Years. We have a carefully planned curriculum to ensure continuity and progression from the different starting points of each child. We aim to deliver a mathematical curriculum that teaches children the importance of and how to make sense of the wider world around them through developing their ability to calculate, reason and solve problems. The intent of our curriculum is to help children to have a deep understanding of number and become confident and capable mathematicians who display an enjoyment for the subject and have that resilience to tackle new concepts and challenges. Mathematical skills are embedded and consolidated throughout the day across the curriculum. We are committed to developing children's curiosities about the subject and we want all children to have a sense of enjoyment and achievement.

At St John's C of Primary we follow the National Curriculum for Mathematics to ensure all children:

- *become fluent in the fundamentals of mathematics, including through varied and frequent practice with increasingly complex problems over time, so that pupils develop conceptual understanding and the ability to recall and apply knowledge rapidly and accurately
- *reason mathematically by following a line of enquiry, conjecturing relationships and generalisations, and developing an argument, justification or proof using mathematical language
- *can solve problems by applying their mathematics to a variety of routine and non-routine problems with increasing sophistication, including breaking down problems into a series of simpler steps and persevering in seeking solutions.

Implementation

At St John's we are committed to developing children's curiosity about all subjects, we want all children to enjoy Mathematics and experience successes in the subject throughout their journey. This is at the heart of our teaching.

We ensure that children study mathematics daily to ensure coverage of the curriculum and to enhance progression. At St John's we are also committed to ensuring that children are able to recognise the importance of Mathematics in the wider world therefore skills and vocabulary are embedded throughout the curriculum daily.

In order to ensure coverage, progression and deepening children's understanding we have a carefully planned curriculum that is supported by the White Rose Scheme and Mastering Number (NCETM). As we continue our journey into mastery maths, we have adopted schemes that ensures that all children have access to all of the National Curriculum objectives for their year group. Through Mastering Number, we continue to embed basic knowledge and skills in order to support children to know and remember more.

The White Rose Scheme allows children to use their mathematical skills and knowledge through fluency, reasoning and problem-solving approaches therefore deepening their understanding. The White Rose Scheme allows each area of Mathematics to be broken down into smaller steps and the continuity of teaching methods which is what we feel our children need at St John's. As part of our mastery journey, we also adopt a CPA approach, meaning that where appropriate, more practical equipment and visual examples are used to support the children's variety of learning styles. This scheme also offers 'Flashback 4' material which is used on a regular basis in classrooms to keep revisiting and consolidating teaching from previous units, a fundamental to the retention of Mathematical skills and knowledge at St John's.

As part of our daily maths lesson, we also deliver short, daily arithmetic sessions where we use 'Rising Stars Arithmetic Tests'. Staff will pre-teach mathematical concepts on the test and then children apply these taught skills. 'Times Table Rockstars' is used across the school from Year 2-6 to support the teaching of times tables. It is used more heavily in Year 4 to engage and support children in their multiplication check.

Formative assessment is ongoing daily within lessons and in smaller group interventions. At the end of each unit staff will carry out an end of unit assessment provided by White Rose. This gives an analysis of how well children have done in each individual topic- showing strengths and weaknesses within mathematical areas. Also, at St John's we use NFER for our summative assessment which is carried out each term to monitor progress. Data is analysed to ensure efficient tracking is in place and intervention and support can be offered accordingly.

At St John's C of E Primary implementing the curriculum is:

- *Teachers constantly reinforce expectations that all children are capable of achieving high standards
- *All children are offered full access to learning objectives taught in their year group
- *SEND children and others have access to manipulatives to support their learning
- *Differentiation is achieved by outcome, support when needed and appropriate interventions
- *Challenge is provided to learners through deepening their understanding
- *'Maths Talk' and discussion is always encouraged to deepen children's reasoning
- *STEM sentences are used in classes to ensure all children are participating
- *Vocabulary is discussed regularly to enrich their understanding
- *A CPA approach is used to meet the needs of all learners and to support children on their journey

Impact

At St John's as a result of our implementation we aim to develop learners with the knowledge, skills and understanding to be successful in the wider environment. We hope that our pupils have progressed to enable them to have good number sense and an enjoyment of Mathematics where they confidently explore and solve problems.

We believe that the impact of our curriculum will mean that by the end of Key Stage 2 our pupils will be:

- ❖ Confident and more resilient learners
- ❖ Able to demonstrate quicker recall of facts and procedures
- ❖ Able to apply their knowledge and skills in different real life scenarios

SEND

At St John's C of E Primary School, we offer all children the opportunity to access all learning objectives regardless of their ability. Within each mathematics lesson we then ensure that those SEND children are supported through adult support or additional resources/manipulatives.

We have implemented a mathematics support and intervention programme, 'Number Stacks'. Children are given an initial assessment which indicates their level of need. Support staff can then pitch small group interventions with those children. This is delivered daily for those learners and are given the opportunity to have those pre requisite skills embedded to support in daily lessons. This is being monitored and recorded by staff.

'Numbots' is a digital programme that we also use to support SEND children with their basic knowledge of number. We feel this is another way that children with different learning styles can achieve their outcomes.

Those children with SEND support plans will also have specific target on their plan. At St John's we use our support staff to ensure that these children are given additional support and intervention in order to achieve these additional targets that meet their needs.

Spirituality

In maths we promote spiritual development by promoting a mastery approach, enabling all children to learn and enjoy maths and deepen their understanding of key ideas needed to underpin future learning. Learning is supported and scaffolded through discussion, questioning and task.

Collaboration is encouraged when exploring new concepts, where children support and value each other's ideas to build stem sentences as an aid to learning. Noticing the positive and learning from our mistakes is promoted at all times. Our maths 'working walls' reflect the learning journey for new concepts. All pupils are encouraged to try open-ended tasks to celebrate their achievements and deepen their learning.