



## **The Federation of Antrobus St Mark's and Great Budworth CE (A) Primary Schools**

### Maths Policy

#### Our Maths overview

At Antrobus St. Mark's and Great Budworth C.E. (Aided) Primaries all children have a right to a broad, balanced and relevant education which provides continuity and progression, taking individual differences into account. Our curriculum engenders a "learn to learn" environment where everyone is a learner.

Our direction stems from our mission statements –

"Hand in hand with God, we live, learn and love together." (ASM)

"By God's grace, we learn to love and love to learn." (GB)

This underpins all aspects of school life and aims to promote the full potential of every child through a curriculum which develops spiritual, academic, social and emotional growth.

Please also see our Calculation Policy which gives further information on how we teach calculation.

#### Intent

The 2014 National Curriculum for Maths aims to ensure that all children:

- Become fluent in the fundamentals of Mathematics
- Are able to reason mathematically and have a mastery of the key skills in mathematics
- Can solve problems by applying their Mathematics

"Mathematics is a creative and highly inter-connected discipline that has been developed over centuries, providing the solution to some of history's most intriguing problems. It 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." (Maths Programme of Study 2013)

We embed these skills within Maths lessons and develop them consistently over time, ensure that children are able to recognise the importance of Maths in the wider world and in a range of different contexts. We strive for all of our children to enjoy Mathematics and to experience success in the subject. We base all of our work on prior learning, which informs our planning on a daily basis. This planning is focused on individual learning and provides opportunities for exploring maths in real life contexts.

#### Implementation

Across our schools, maths teaching and learning is informed by the national curriculum and current maths guidance such as NCETM and links to the White Rose Hub following a mastery approach to maths. We aim to foster the children’s ability to build on their fluency, reasoning and problem solving in all areas of this subject.

- Teachers reinforce an expectation that all children are capable of achieving high standards in Mathematics and reaching mastery within the subject
- Differentiation is achieved through working through a bank of fluency – reasoning – problem solving. This is alongside any individual support and intervention that is needed
- Teaching is underpinned by methodical curriculum design and supported by carefully crafted lessons and resources to ensure that the children build competency from concrete, pictorial and abstract approach
- Across the schools, there are opportunities for whole school work with events such as the annual NSPCC Number Day in February. We aim to ensure cross curricular links are made where applicable and opportunities are given for real life contexts and learning
- Weekly maths homework links learning at school to home and builds on the work done in school with the current learning

**Impact**

We aim to foster an enjoyment of maths and develop children who are competent within all areas of the subject. They will be able to recall facts quickly, apply maths skills and have the flexibility and fluidity to move between different contexts and representations of mathematics. They will also have the ability to recognise relationships and make connections in mathematics. This will be attained through regular and ongoing assessment which will inform teaching, as well as those that need intervention, to support and enable the success of each child. We will also ensure that pupil voice is heard by providing opportunities for children to share their views through pupil voice sessions and questionnaires which will be gathered annually.

**Review**

Signed:..... Chairman of Curriculum Committee

Signed:..... Headteacher

Date:.....

Review Date: Every 3 years

Reviewed by: Mike Hathaway

Date: November 2019

Reviewed: Summer 2021