



Cawston Church of England Primary Academy



Maths Curriculum

Vision

Our vision at Cawston is to give all children a lifelong love of the mathematics by **'Growing Excellence'** in all that they do.

- We begin by **'Planting'** the knowledge and skills throughout their time learning mathematics as they move between classes and key stages. Each skill helps them to develop what they need to develop and progress onto the next stage.
- Jesus said that seeds will flourish if they are nurtured properly. All of the skills and knowledge a child needs in mathematics is carefully developed by **'Nurturing'** them through quality first teaching, using the White Rose small-step, mastery-based schemes of learning.
- Once all of this has been achieved, we will see them **'Flourishing'** as they apply all that they have learnt and communicate their knowledge and skills through written and oral work.

Early Learning Goals

ELG: Number

Children at the expected level of development will:

- Have a deep understanding of number to 10, including the composition of each number; 14
- Subitise (recognise quantities without counting) up to 5;
- Automatically recall (without reference to rhymes, counting or other aids) number bonds up to 5 (including subtraction facts) and some number bonds to 10, including double facts.

ELG: Numerical Patterns

Children at the expected level of development will:

- Verbally count beyond 20, recognising the pattern of the counting system;
- Compare quantities up to 10 in different contexts, recognising when one quantity is greater than, less than or the same as the other quantity;
- Explore and represent patterns within numbers up to 10, including evens and odds, double facts and how quantities can be distributed equally.

Intent

At Cawston, we intend for all pupils to experience an inspiring, number-rich and motivational maths environment. We aim for all pupils to have access to a maths curriculum which meets the needs of all learners and equips them with the mathematical skills necessary for them to succeed on whichever path they follow. We want all pupils to develop a positive 'can do' attitude to maths and support all children to become mathematicians.

Our youngest children will begin their early mathematical development supported by excellent early mathematical teaching which supports the development of early number sense, giving them the foundational skills needed to confidently reason and solve mathematical problems.

Our intent is for every child to leave our care as able and independent mathematicians, with the confidence and skills required to calculate fluently, reason confidently and solve problems efficiently. They will be thoroughly prepared in all aspects of mathematics and fully equipped for the next step in their educational journey.

Implementation

Our maths curriculum at Cawston CE Primary Academy is delivered with the support of the White Rose small-step, mastery-based schemes of learning. This scheme supports teachers to deliver well-structured and exciting mathematical opportunities that enable our children to learn, revisit and progressively develop their skills in maths at an age-appropriate level.

Teachers and other adults working in EYFS are fully trained in supporting early mathematical development and helping our youngest learners to acquire early number sense. This is achieved through practical and engaging activities, which children can access, alongside adults or independently with peers, to practise their maths skills.

In key stages one and two, maths lessons are planned to follow the small-step mastery approach to acquiring maths skills as set out in the White Rose scheme. This scheme supports teachers to plan and deliver lessons which teach pupils essential skills, give them time to develop their fluency and apply their knowledge to practise mathematical reasoning and solve problems. Teachers promote and encourage pupils to work collaboratively, as well as independently, and provide excellent modelling of all mathematical processes and concepts as part of everyday teaching.

Impact

This Mastery-style teaching at Cawston ensures high expectations for all pupils, regardless of background and current attainment, and incorporates the CPA (concrete, pictorial, abstract) approach to mathematical learning. The system of learning that uses physical and visual aids to build a child's understanding of abstract topics.

Through evaluation of work in children's books, it is clear to see the high quality of mathematics throughout the school. Children are able to confidently talk about their work in maths lessons and can apply age-appropriate skills and knowledge in their work. They are willing to take risks and learn from their mistakes, showing both perseverance and resilience in mathematical learning.

Alongside the work in books, the children complete termly PiXL assessments that show the progress throughout the year and across the school.