



Our Maths Intent



Underpinned by Our GEM LEARNING POWERS
Diamond Power: Being responsible and facing challenge
Ruby Power: Supporting others
Sapphire Power: Staying focused
Emerald Power: Being Courageous
Topaz Power: Actively Learning in a group
Amethyst Power: Working well with a partner

Why is MATHS important?

At Croscombe and Stoke Federation, we endeavour to teach our children a rich and progressive curriculum. We believe that Mathematics teaches us how to make sense of the world and is important in everyday life. With this in mind, the purpose of Mathematics at our schools is to develop an ability to solve problems, to reason, to think logically, see patterns and make connections and to work systematically and accurately. We encourage the children to develop these key and fundamental skills through a teaching for mastery approach.

Our Curriculum INTENT for MATHS :

The children explore and deepen their understanding of Mathematics in hands-on small step lessons. New mathematical concepts are introduced using a 'Concrete, Pictorial and Abstract' approach; enabling all children to experience hands-on learning when discovering new mathematical topics, and allows them to have clear models and images to aid their understanding. They are taught to explain their choice of methods and develop their mathematical reasoning skills. The children then build upon previous knowledge and known facts to reason, make connections and develop their understanding. We encourage resilience and acceptance that struggle is often a necessary step in learning.

The above approach is underpinned by the teaching of fluency. We intend for all pupils to become fluent in the fundamentals of mathematics through varied and frequent practice so that pupils develop conceptual understanding and the ability to recall and apply knowledge rapidly and accurately. The introduction of additional daily fluency practice is aimed at helping to achieve this. Every class takes part in a fifteen minute skills activity where they are given opportunities to practise basic arithmetic skills and multiplication and division facts. Whole class chanting of tables, counting on, counting back and quick fire number bonds may feature. Upper KS2 have a greater focus on basic arithmetic to develop efficient and speedy mathematicians.

The National Curriculum for primary mathematics has three aims that are at the heart of how we interpret the content of the curriculum.

- Conceptual understanding
- In developing children's skills through enhancing their factual, conceptual and procedural knowledge, we allow them to deepen their mathematical understanding and be able to apply what they know to help them to solve problems.
- Mathematical reasoning

Croscombe C of E & Stoke St Michael Nursery & Primary Federation
Our Curriculum Intentions

The progression and development of mental calculations and efficiency in strategies will provide children with the skills, which will allow them to communicate and present their findings effectively using appropriate mathematical language.

- Problem solving

By providing opportunities to apply their mathematical skills in different contexts and across a range of subject areas, children will be able to work systematically to organise information, find patterns and ultimately solutions through independent and collaborative learning.

Teaching of Mathematics follows the National Curriculum and reflects changes introduced in 2014 for Key Stage 2 and reforms in the EYFS curriculum in 2020. Currently, the Power Maths scheme of work drives the mathematic curriculum and is supported by recent and relevant staff CPD and resources from the NCETM.