



How we teach Maths at Claycots

The 2014 national curriculum for Maths aims to ensure that all children:

- Become fluent in the fundamentals of mathematics
- Are able to reason mathematically
- Can solve problems by applying their mathematics

At Claycots School, we use a mastery approach in order to deliver the three aims of the national curriculum. Underpinning this is our vision that all children can achieve excellence. We are committed to ensuring that all children are challenged through a rich Maths curriculum, with a high emphasis on securing understanding by carefully sequencing learning and ensuring children have the opportunity to continually build on their prior knowledge. We use mistakes and misconceptions as an important part of learning, as we want all children to experience the beauty, power and enjoyment of mathematics and develop a sense of curiosity about the subject.

Lessons are planned and sequenced so that new knowledge and skills build on what has previously been taught. Teachers use White Rose Maths as a resource to support their planning and we develop termly overviews to ensure careful sequencing of learning.

We use our school calculation policy, to ensure a consistent approach in teaching formal methods and use of the CPA (concrete, pictorial, abstract) approach.

In each lesson, children have a times tables focus to give the opportunity to practice and improve rapid recalls of tables linked to their stage of learning. Children enjoy the weekly challenge and work towards improving their time and score each week. All children also have access to their personal account of 'Times Tables Rockstar'.

In addition to this, in each lesson, children are given the opportunity to develop their mental Maths skills to improve their efficiency in solving quick calculations.

Our pupils are encouraged to physically represent mathematical concepts. Objects and pictures are used to demonstrate and visualise abstract ideas, alongside numbers and symbols.

- Concrete – children have the opportunity to use concrete objects and manipulatives to help them understand and explain what they are doing.
- Pictorial – children then build on this concrete approach by using pictorial representations, which can then be used to reason and solve problems.
- Abstract – With the foundations firmly laid, children can move to an abstract approach using numbers and key concepts with confidence.

We ensure that the curriculum is tailored to meet the needs of each child while developing their skills and understanding at an appropriate level. Where possible, links are made with other subjects across the curriculum for children to understand the application of Maths in everyday life.

Homework is set to develop and review children's learning.