



WORLINGHAM CEVC PRIMARY SCHOOL

MATHS IMPLEMENTATION STATEMENT



Through a progression of **concrete**, **pictorial** and **abstract** approaches, the teaching of mathematics at Worlingham CEVC seeks to build confidence with, and an enthusiasm for, maths. Using statements such as: “Why do you think...”, “Prove it!”, “Convince me”, “Can you tell me how?” and “What do you notice?” within lessons, this provides children with the opportunities to explore their reasoning skills and methods of solving problems.

The children are taught to strengthen their **resilience** when it comes to **problem solving** activities; develop their **fluency** in the recall of number facts and have self-belief when explaining their approaches to **reasoning** questions and activities.

Children’s contributions to maths are celebrated **misconceptions** are addressed positively with the understanding that we learn through our mistakes. Children will be supported and encouraged to **explore patterns** and relationships within number and shape, coupled with an ability to explain ‘why’ and ‘how’ maths ‘works’ using clear mathematical language.

“Maths is a dynamic subject which is integral throughout the curriculum. Our vision is for maths is to be seen as a tool for learning.”

The National Curriculum for mathematics aims to ensure that all children:

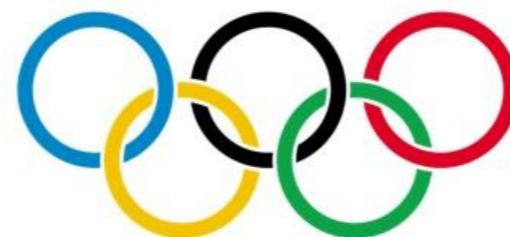
Become **fluent** in the fundamentals of mathematics, including through varied and frequent practice with increasingly complex problems over time, so that children have conceptual understanding and are able to recall and apply their knowledge rapidly and accurately.

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.

At Worlingham CEVC primary school teachers follow the schemes of learning published by White Rose Maths to plan effectively, producing lessons incorporating fluency, reasoning and problem solving.

Maths Olympics



To support an understanding of and recall of tables facts, from Year 1, the children take part in a Maths Olympics challenge within their classroom. These progressive challenges build upon the children’s number bonds and times tables facts. As a ‘medal’ is achieved the next challenge increases in complexity; all set against a 3 minute countdown!

Belonging, Courage, Curiosity, Kindness, Perseverance, Respect

Growing Minds, Kind Hearts, Rooted in Love

‘Rooted and Grounded in Love’ (Ephesians 3:16)