



## Cubert School

# Mathematics: Subject Overview

### Vision

At Cubert Primary School, our intent is to provide a high-quality mathematics education through our mastery curriculum, grounded in the White Rose Scheme to ensure coverage and progression. We aim for our children to become fluent mathematicians who can reason, problem-solve, and apply their skills confidently. By fostering a love for the subject, we ensure that students leave with a solid mathematical foundation, an enthusiasm for learning, and the critical thinking skills necessary for success in both academics and everyday life. Our curriculum cultivates an appreciation for the beauty and power of mathematics, preparing students to be lifelong learners.

### Our Aims

- Equip every child with essential fluency skills to boost their confidence and enjoyment in mathematics, helping them better understand and engage with the world around them.
- Enhance students' reasoning abilities by encouraging the use of precise mathematical language.
- Strengthen pupils' understanding by applying their mathematical skills to problem-solving tasks and making meaningful connections to real-life situations.

### National Curriculum Expectations

The National Curriculum for Mathematics aims to ensure that all pupils:

- Become **fluent** in the fundamentals of mathematics, including through varied and frequent practice with increasingly complex problems over time, so that pupils develop conceptual understanding and the ability to recall and apply 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.

## **The teaching of Mathematics**

Mathematics is an interconnected subject, requiring pupils to navigate between different representations of mathematical concepts. Pupils should be encouraged to make rich connections across topics, fostering fluency, mathematical reasoning, and problem-solving competence. Additionally, they should apply their mathematical knowledge across other subjects, particularly in science.

Most pupils are expected to progress through the curriculum at a similar pace. However, progression should be based on a secure understanding of the material, with opportunities for rapid learners to engage in deeper, more challenging problems. Those who need more time to master earlier content should be supported with additional practice to ensure their readiness for the next stage.