



Our Vision for Mathematics

“What is mathematics? It is only a systematic effort of solving puzzles posed by nature.” –
Shakuntala Devi

At Holy Cross Catholic Primary School, our vision is to create confident mathematicians and to encourage a love of mathematics within pupils. We believe mathematics is a critical aid to science, technology, engineering, financial literacy and for most future endeavours. As a school, our aim is to provide a high-quality mathematical education which will prepare pupils with an understanding of reasoning and problem solving, an appreciation of the power of mathematics, admiration for the subject, as well as curiosity about the subject.

As a school, we follow the White Rose Mathematics scheme to ensure that each topic is taught in sequenced, processable steps for all pupils. They are resources created by specialist maths teachers, and are continually developed in response to national requirements. Our teachers adapt these resources to ensure all pupils are being challenged, at their own levels, and to guarantee that skills and concepts are consolidated.

Our maths teaching offers opportunities to:

- Become confident and fluent in the fundamentals of mathematics through frequent application of problem solving and reasoning so that pupils can apply knowledge accurately and swiftly.
- Aspire to break down problems into simpler-steps to seek a resolution.
- Become resilient to solve problems by applying their mathematics to a variety of routine and non-routine problems.
- Develop a conceptual understanding and the ability to recall and apply through enquiry led discussion.
- Reason mathematically by conjecturing relationships and generalisations, developing an argument by using mathematical language.
- Apply spirituality through the role of inner understanding and inner vision.
- Develop a deep thinking and understanding of mathematical concepts.
- Be challenged at their level of understanding before acceleration through new content.