



MATHS

INTENT

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 St Joseph's Catholic School, we have adopted a mastery approach to fulfil these aims. The skills are embedded within Maths lessons and are developed consistently over time. We recognise that mathematics is essential to everyday life and necessary in science and other subjects. As our pupils progress, we intend for our pupils to have the ability to reason mathematically, have an appreciation of the beauty and power of mathematics, and a sense of enjoyment and curiosity about the subject.

IMPLEMENTATION

Our Maths curriculum provides breadth and balance, is relevant and engaging and is differentiated to match the needs and abilities of all our children to ensure that all pupils are able to excel. As a school, we believe in the importance of following the concrete-pictorial-approach as a means to developing a solid understanding of mathematical concepts which can be applied in a variety of contexts through reasoning and problem solving challenges.

As a school we follow the White Rose Maths Hub scheme of learning which provides the children to become fluent in the fundamentals of mathematics. It gives daily opportunities to problem solve and reason mathematically in a range of real life contexts.

White Rose use 'small steps' to break down the teaching sequence into small achievable steps. Where children require additional support, 'scaffolds' are used to support children further to ensure that they have secured the small step before moving on. These 'scaffolds' may be in the form of returning to concrete resources or pictorial representations. For children who understand a concept quicker, challenges are used to deepen and challenge learners further within the curriculum area.

IMPACT

At St Joseph's we will have children who recognise that maths is a vital skill. The children will be increasingly engaged in maths lessons and talk passionately about the subject, making links with other subjects and with the wider world. We will observe children tackling mathematical challenges with resilience, confidently using concrete resources and visual representations. We will have children who are more articulate when discussing mathematical concepts. We will see progress becoming more accelerated due to the way lessons are structured and the impact of immediate, tailored interventions. We will have a greater proportion of our reception children achieving age-related expectations within the early learning goals, and a greater percentage of our children achieving the higher standard scores at the end of each key stage.

Impact will be evaluated through:

- Assessing understanding in lessons.
- Assessment data recorded.
- Feedback to children.
- Pupil voice