

## **Intent:**

At Our Lady of Victories, our intent is to design a mathematics curriculum which is accessible to all and will maximise the development of every child's ability and academic achievement. We deliver daily lessons that are creative, engaging and challenging at all levels to build on children's knowledge and skills. We believe that this approach allows them to know more and remember more.

Maths is a subject specific lesson, which builds upon previously taught knowledge, skills and vocabulary. We aim to develop children's enjoyment of Maths and provide opportunities for children to build a conceptual understanding before applying their knowledge to everyday problems and challenges. Lessons include times table practice, reviews of previously taught skills, knowledge and vocabulary and opportunities to reason and problem solve.

In Key Stages One and Two, teachers cover objectives set out in the Programmes of Study from the National Curriculum and follow the White Rose schemes of work. Within these schemes of learning, each National Curriculum objective is broken down into fluency, reasoning and problem solving; teachers use the learning challenges to teach for mastery - an approach to extend and deepen the understanding of pupils within each year group.

## **Implementation:**

At Our Lady of Victories, our approach to the teaching of mathematics develops children's ability to work both independently and collaboratively as part of a team. Through mathematical talk, children will develop the ability to articulate and discuss their thinking. We strive to ensure that children are taught to become competent mathematicians by embedding the skills and processes necessary to enable children to use and apply their Maths learning in a variety of contexts. We recognise that in order for pupils to progress to deeper and more complex problems, they need to be confident and fluent across each yearly objective.

## **Impact:**

At Our Lady of Victories, we aim for children to be confident in making rich connections across mathematical ideas. We want them to fully utilise their fluency and reasoning skills to become competent in solving increasingly sophisticated, contextual problems. We intend for our pupils to be able to apply their mathematical knowledge across the curriculum and to realise that Maths has been developed over centuries, providing the solution to some of history's most intriguing problems. As our pupils progress further in their education, we intend for them to be able to understand the world, 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. By the end of Key Stage Two, children will leave Our Lady of Victories well-prepared for the next step in their mathematical education.

### What is the intent of the White Rose Maths curriculum?

The long-term aim of the White Rose scheme is to provide an ambitious, connected curriculum accessible to all children right through from Year 1 to the end of Year 6. This curriculum does not only cover all the content of the National Curriculum, but also provides pedagogic advice for teachers. White Rose provides suggestions and sample materials in a structured coherent curriculum to develop pupils into mathematical thinkers.

The aim of the White Rose scheme is to enable pupils to become fluent in the fundamentals of mathematics, to be able to reason and to solve problems. It embraces these National Curriculum aims, and provides guidance to help pupils to become:

**Visualisers:** We use the CPA approach (Concrete, Pictorial, Abstract) to help pupils understand mathematics and to make connections between different representations

**Describers:** We place great emphasis on mathematical language and questioning so pupils can discuss the mathematics they are doing, and so support them to take ideas further.

**Experimenters:** As well as being fluent mathematicians, we want pupils to love and learn more about mathematics.