

## **Intent for Maths**

At Oak Lodge, we want our children to be confident mathematicians who can problem solve and use reasoning skills.

Our curriculum is designed to build on children's prior learning and develop the fundamental skills they will need. This includes place value, times tables, number bonds and arithmetic which not only supports mastery and fluency across the curriculum but develops important life skills.

## **Implementation**

At Oak Lodge, mathematical skills are taught following a curriculum based on White Rose Maths. All lessons include elements of problem solving and reasoning alongside regular practice of fluency skills. We develop children's understanding, moving from concrete to pictorial, and finally onto abstract.

**Concrete** – children use concrete objects and manipulatives to help them understand and explain what they are doing.

**Pictorial** – children then build on this concrete approach by using pictorial representations, which can then be used to reason and solve problems.

**Abstract** – With the foundations firmly laid, children can move to an abstract approach using numbers and key concepts with confidence.

All children are encouraged to use mathematical language to explain their ideas and develop their reasoning skills.

## **Impact**

At Oak Lodge, we expect our children to be able to quickly recall number facts and procedures allowing them to make progress in all areas of the maths curriculum.

We believe that a mathematical concept or skill has been mastered when a child can show it in multiple ways, using the mathematical language to explain their reasoning, independently applying the concept to new problems in unfamiliar situations. This is what we intend all our children to achieve.

At Oak Lodge we aim for all children to leave us with the confidence, skills and understanding that they need in order to proceed with success at secondary school and beyond.