



## **Intent**

Our mathematics curriculum equips pupils with tools that include logical reasoning, problem-solving skills, and the ability to think in abstract ways.

By adopting some of the principles of a mastery approach, we aim to provide children with all the necessary skills and knowledge to become numerate and confident to tackle mathematical problems independently. We believe all children can achieve in maths, with no ceiling on what they can achieve. If they want to challenge themselves to be a Gold level mathematician one day, but stick with Silver the next, we will encourage them to show resilience and keep working through. Whenever problems arise, we will support with interventions, so that gaps in learning don't widen. Teachers use pre and post block tests with every unit, to ensure that their teaching is finely tuned to exactly where there are gaps and as a result, our children make excellent progress.

## **Implementation**

We use a range of engaging online and other resources to ensure mathematics is exciting. White Rose materials guide teacher planning along with a range of concrete apparatus and other schemes enabling teachers to plan to an objective in the most effective way. TT Rockstars and MyMaths further support children's learning both at school and at home, so that children gain confidence as their skill level increases.

We use a range of teaching methods to rehearse mental calculations and a variety of formal and informal written strategies. Fluency, reasoning and problem solving, alongside opportunity to practise, are routine aspects of maths learning. Children are generally taught in mixed ability groups for their daily maths lesson. They move from counting reliably to calculating fluently with all four number operations. Children will use a wider range of

mathematical language, diagrams and statistical charts. They extend and secure their use of mathematical language, using it to talk about their methods, explain their reasoning when solving problems and applying it during investigations.

### **Impact**

Our children are able to use their mathematical skills across a wide range of other subject areas such as; art, DT, science and even French!

Our outcomes in maths are continually at or above National Expectations and those children who struggle with maths, make good progress from Foundation Stage through to Year 6.

Children have a good understanding of mathematical vocabulary and use this effectively to support their development of key concepts and skills.

Pupils know how and why maths is used in the outside world and in the workplace. They know about different ways that maths can be used to support their future potential.