

# HOW WE DO MATHS

Coppice Valley Primary School

## Our Aim

At Coppice Valley we have developed a mastery approach to the teaching of maths to ensure fluency, reasoning and problem solving.

We aim to do this by:

- Ensuring our children have access to a high quality maths curriculum that is both challenging and enjoyable.
- Ensuring children are confident mathematicians who are not afraid to take risks.
- Allowing opportunities to revisit and deepen pupil's understanding around concepts and aspects of mathematics -allowing them to know more and remember more.
- Employing a variety of mastery strategies to ensure fluency and the ability to recall and apply knowledge rapidly and accurately.



## Curriculum Planning

At Coppice Valley, we follow a Mastery for Maths curriculum using White Rose Maths resources and work books. Each year group follow the White Rose Maths yearly overview which suggests the teaching time needed for each block of learning. The National Curriculum objectives in each block are broken down into a series of carefully planned small steps. Teachers teach the content in the suggested order as the step sequence is designed to gradually develop children's understanding. At the beginning of lessons children will complete a 'Flashback' - this is a revisit of previous learning to ensure it transfers into their long-term memory. The revisit elements of lessons will gradually progress with the level of challenge and give the children opportunities to apply their skills in a different context. Children undertake 'Early Bird Maths' daily to enhance their fluency of arithmetic. Alongside this, times tables are practised daily in lessons. Children will take part in low-stakes quizzes to practise their fluency of tables and be given opportunities to reason and problem solve facts. Teachers teach fluency and reasoning through Talk Times Tables.

## Impact

Through pupil voice and monitoring, the children at Coppice Valley value and understand the importance of maths.

Teaching for mastery ensures:

- All children experience challenge and success in maths.
- Quick recall of facts and procedures
- The flexibility and fluidity to move between different contexts and representations of mathematics.
- The ability to recognise relationships and make connections in mathematics.

As our pupils progress further in their education, we intend for them to have the ability to reason mathematically and a sense of enjoyment and curiosity about the subject.

## Homework

All children will be given access to Times Table Rockstars. Teachers will set times tables for children to practise at home. Children will take part in a 60 question quiz every week to apply their times tables knowledge and speed up their quick recall of facts.