



Meare Village Primary School

'Four walls that hold tomorrow'



OVERVIEW OF MATHEMATICS

Why this subject is important in our school:

Maths is a fundamental part of human thought and logic, it is an essential skill that enables us to live an independent life. It teaches us how to understand and make sense of the world around us. At meare we believe that Mathematics provides children with the essential life skills of:

- Understanding number and calculation
- Problem solving
- Enquiry
- Reasoning skills
- Financial understanding

This includes many everyday skills such as; calculating the total amount of money we need to purchase items, knowing what time to meet a connecting train or weighing precise amounts of ingredients when following a recipe. Maths helps us to develop problem solving and reasoning skills that allow us to solve a variety of problems. Maths is intertwined with many other disciplines and provides foundational knowledge and skills for other subjects such as science.

Our intent is for every child to leave our care as able and independent mathematicians, with the confidence and skills required to calculate fluently, reason confidently and solve problems efficiently. They will be thoroughly prepared in all aspects of mathematics and fully equipped for the next step in their educational journey.

How this subject is organised in our school:

Our maths curriculum at Meare Village Primary School is delivered with the support of several Maths schemes; White Rose Maths, 'I see Reasoning', Master the Curriculum and the NCETM subject spines. These resources support the teachers at Meare to deliver well-structured and exciting mathematical opportunities that enable our children to learn, revisit and progressively develop their skills in maths at an age-appropriate level. Our approach uses concrete, pictorial and abstract resources to help the children develop their understanding of Maths. A variety of fiction and non-fiction texts are also being used to enrich children's experiences and learning in this subject.

Teachers and other adults working in EYFS are fully trained in supporting early mathematical development and helping our youngest learners to acquire early number. This is achieved through practical and engaging activities, which children can access, alongside adults or independently with peers, to practise their maths skills. We are also currently following the NCETM scheme of work based on the engaging BBC series 'Numberblocks'. We have recently been accepted onto the Maths Hub scheme 'Mastering Number' and we are implementing this throughout EYFS and KS1.

In key stages one and two, maths lessons are planned to follow the small-step mastery approach to acquiring maths skills as set out in the White Rose scheme. This scheme supports teachers to plan and deliver lessons which teach pupils essential skills, give them time to develop their fluency and apply their knowledge to practise mathematical reasoning and solve problems.

Fluency, Reasoning and Problem solving skills are developed in each teaching sequence and maths Lessons are sequenced thoughtfully, building on prior learning and looking forward to the next step. Teachers promote and encourage pupils to work collaboratively, as well as independently, and provide excellent modelling of all mathematical processes and concepts as well as asking questions



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that challenge and deepen childrens' understanding of maths. We want all children to see the patterns and make those rich connections across mathematical ideas. We want all children to feel they are confident mathematicians and enjoy maths in our school.

How we will measure impact:

To enable us to truly know and demonstrate what the children have learned and retained we need to measure the impact of the teaching of maths within our school. Here at Meare Village Primary this evaluation is done through constant teacher led AFL (Assesment for Learning) using formative and summative methods. In maths we use the White Rose end of unit assessments, these are administered in a child friendly way and the children are familiar and unphased by these assessments.

We also value the TT Rockstars app which the children access regularly both at school and at home, we celebrate children's achievements in learning their times tables with medals and certificates in our weekly Celebration Assembly. The children in EYFS and KS1 also have access to NumBots which develops number sense and place value skills.

Twice a term we meet as a staff to look at the data for each child and discuss the child in a holistic way combined with looking at the data for the core subjects. We conduct regular 'learning walks' and 'book looks' where we moderate and discuss as a staff, as well as with the Maths lead. Through the evaluation of work in children's books at Meare Village Primary School, it is clear to see the high quality of mathematics throughout the school. Children are able to confidently talk about their work in maths lessons and can apply age-appropriate skills and knowledge in their work. They are willing to take risks and learn from their mistakes, showing both perseverance and resilience in mathematical learning