Mathematics at Matchborough

Our approach to mathematics

We want every child to see themselves as a mathematician. We want children to develop secure number knowledge, confidence and curiosity, alongside the ability to explain their thinking, spot patterns and solve problems.

We use White Rose Maths to provide a clear and carefully sequenced journey through mathematics. Learning is broken down into small, manageable steps so that children build securely on what they already know before moving on to new ideas.

Children learn through a balance of practical resources, visual representations and mathematical symbols. They are encouraged not simply to find an answer, but to explain how they know, make connections and apply their knowledge in different situations.

Number is at the heart of our mathematics curriculum, while children also develop their understanding of shape, space, measures, fractions and other areas of mathematics as they progress through school. Reasoning and problem solving are developed alongside fluency so children learn to use, rather than simply remember, their mathematical knowledge.

Teachers regularly check what children understand and use this to decide when children need further practice, support or greater challenge. Our aim is that children keep up with their learning and develop secure mathematical foundations for the next stage of their education.

What will my child learn?

Our White Rose Maths curriculum builds progressively from Nursery through to Year 4. Each year is organised into carefully sequenced areas of learning across the autumn, spring and summer terms.

Nursery

Children develop their earliest understanding of number, including counting, subitising, comparing amounts and recognising patterns. They explore shape, space and measure through practical experiences, play and everyday routines.

Reception

Children deepen their understanding of numbers, develop secure counting and subitising skills and begin to explore how numbers are composed. They compare quantities, explore number bonds and develop their understanding of pattern, shape, space and measure.

Year 1

Children develop their understanding of place value, addition and subtraction, multiplication and division, fractions, shape, position and direction, length and height, mass and volume, money and time.

Year 2

Children extend their understanding of place value, addition and subtraction, multiplication and division and fractions, while developing their knowledge of money, measurement, shape, time, mass, capacity and temperature.

Year 3

Children work with increasingly large numbers and develop written and mental strategies for addition, subtraction, multiplication and division. Learning also includes fractions, length and perimeter, mass and capacity, money, time, shape and statistics.

Year 4

Children further develop their understanding of place value, addition and subtraction, multiplication and division and become increasingly fluent with multiplication facts. They extend their knowledge of fractions and decimals and explore length and perimeter, area, money, time, shape, statistics and position and direction.

White Rose's schemes provide the detailed small steps within each block, allowing learning to build progressively through each year group.

Find out more Families can find out more about White Rose Maths and access resources to support learning at home here:

White Rose Education