



Maths at Beechwood Primary School

From EYFS, up to Year 6, our children are taught the essential knowledge and skills taken from the Early Years Framework 2021 and the National Curriculum 2014. Our well-planned journey through the maths curriculum helps our pupils to build upon their prior learning and apply past knowledge to new situations; we are passionate about ensuring that our children's learning transfers to their long-term memory. To ensure that this happens we constantly revisit concepts and themes both within year groups and subjects and across year groups and different subjects where applicable.

As soon as children come to our school, they are encouraged to explore number and see the world mathematically. Maths lessons are taught to encourage children to reason their maths thinking and apply their mathematical knowledge to problems. At Beechwood, we teach Maths through a mastery approach from EYFS to year 6. The aims of the mastery curriculum are: All pupils should become fluent in the fundamentals of mathematics through varied and frequent practice; to promote enjoyment and enthusiasm for learning through practical activity, exploration and discussion; to promote confidence and competence with numbers and the number system; to develop the ability to solve problems through decision-making and reasoning in a range of contexts; to develop a practical understanding of the ways in which information is gathered and presented; to explore features of shape and space, and develop measuring skills in a range of contexts; to understand the importance of mathematics in everyday life.

An early understanding of number is vital in ensuring that children have the foundations for developing their mathematical knowledge and problem-solving skills. In Early years, we work towards the expectations of Development Matters. We recognise the importance of children mastering each stage before moving on, it is because of this that we follow a 'number of the week' approach to maths. The children will focus on a specific number at a time (up to 10) and explore this number in different ways such as exploring different representations of that number, addition facts, subitising and ordering numbers. In early years, maths activities are carried out through a carefully planned mix of teacher led activities and child led tasks in continuous provision. As well as an understanding of number, pupils also develop their understanding of shape, space and measure as well early problem solving.

In 2016, Beechwood adopted the 'Maths No Problem' approach for maths for years 1 to 6. The Maths — No Problem! Primary Maths Series has been created using the principles of Singapore mathematics and is fully aligned to the 2014 English national curriculum. The Programme provides all the elements that teachers need to teach maths for mastery with confidence. In 2021, we moved on to the New Edition of Maths-No Problem! which has been updated to allow for further challenge and support for pupils. In our maths lessons, pupils apply their prior knowledge to tackle a range of exciting and challenging problems which progress their learning. Pupils are encouraged to use a range of methods to show a deep understanding whilst also showing their mathematical reasoning.

On top of our mastery curriculum, we also follow NCETM's mastering number programme for years Reception, year 1, year 2, year 4 and year 5. Mastering Number provides daily, short burst activities that support children's basic understanding of number. In EYFS and KS1, the project secures pupil's number sense and develops their fluency in calculation. In KS2, it enables pupils to develop their fluency of multiplication and division facts.

To further challenge and motivate pupils, pupils also enjoy participating in Maths Monsters. These are short quizzes which we do regularly in class to test pupils' understanding of number bonds and addition facts in EYFS and KS1 and multiplication facts in KS2. Each half term, we hold a Maths Monsters assembly where pupils' are able to earn badges when they have mastered a certain set.