



Moor First School

Maths

'Together we unlock potential and learn for life.'

Intent

At Moor First School, it is our intent to provide a powerful curriculum that enables our children to become fluent in the fundamentals of mathematics, develop their conceptual understanding and the ability to recall and apply knowledge rapidly. To be able to reason and problem solve by applying mathematics to a variety of increasingly complex problems. To build upon pupils' knowledge and understanding – what they already know and make connections to new learning and to develop resilience that enables all pupils to reason and problem solve with increased fluency and confidence. Taking on board 'Rosenshine's Principles for Instruction' - our Maths journey is carefully and expertly planned following the teaching of small steps and via a 'modelled, we do, I do' method. This ensures that there are optimum opportunities for new learning to be embedded. Children reviewing prior learning and have access to scaffolds to learn new knowledge and skills thus helping them to become independent learners for life.

Implementation

At Moor First School, we follow the National Curriculum. To ensure full topic coverage, the school uses 'White Rose Maths' mixed age scheme of work. This is a whole-school primary maths resource that aids continuity and progression in the teaching of mathematics. A mastery approach is implemented to ensure all pupils are able to access the curriculum, including pupils with Special Educational Needs and Disabilities (SEND), Pupil Premium eligible children and the lowest 20% of pupils. We have designed our curriculum and lesson structure so that a pupils' learning journey can be met with careful assessment for learning which allows teachers to tackle misconceptions and therefore enable pupils to achieve. We have implemented a small steps approach and only proceed with next steps when first steps are mastered. Concrete manipulatives and pictorial representations are used to support conceptual understanding and to make links across topics. Teachers carefully model how to use the maths equipment to provide clarity and a deeper understanding. Pupils review previous learning at the beginning of each maths lesson to ensure knowledge and skills are being retained. Pupils build on the solid foundations of what they already know to make connections to new learning. Pupils are challenged through careful questioning to deepen their understanding and mathematical thinking. This approach helps pupils accomplish the three aims of the National Curriculum; fluency, reasoning and problem



solving. We know that there is continuous development in this area and we continue to work closely with our Maths hub leads, and other agencies, to implement any beneficial changes.

Impact

At Moor First, we expect that well planned and carefully crafted lessons scaffold learning and ensure that all pupils are able to access the mathematics. Pupils will have developed and refined their maths skills and knowledge through well planned sequences of learning support. Pupils are able to independently apply their knowledge to a range of increasingly complex problems. Pupils will be able to use concrete, pictorial and abstract approaches to achieve and will be able to demonstrate an ability to solve fluency questions as well as reason and problem solve. Pupils are reasoning with increased confidence and accuracy. Pupils enjoy mathematics here at Moor First School. They achieve well and all pupils enjoy success.