



## Heamoor School Maths

### Intent

At Heamoor School we aim to provide a maths curriculum that is engaging and creative; one that inspires confidence in every child so that they become resilient and independent learners. We aim to develop the skills necessary for children to use and apply their knowledge both in lessons and in the outside world. They will understand problems, become 'deep thinkers' and be able to reason about the world around them. They will know the purpose of their learning, relate it to real life and use it in their everyday lives. Most importantly they will develop a love of maths that is evident in the 'buzz' for learning that exists for each child.

### Implementation

At Heamoor School we use a range of resources (for example White Rose Planning, NCETM, NRICH, Testbase) to give our children full coverage of the Maths National Curriculum ensuring that topics are revisited as needed and that knowledge is fully embedded. High quality teaching, following the Mastery approach, delivers appropriately planned lessons for all children offering support and challenge for individuals. Lessons support fluency, reasoning and problem solving which give children opportunities to practise, consolidate and explore ideas. Maths lessons are delivered in creative and engaging ways using a wide variety of resources to support key concepts so that children are able to form the images they need to develop their understanding. Children are encouraged to use these manipulatives whenever they are needed no matter how old they are. Lessons are designed to challenge and inspire the children and the importance of using maths in all areas of the curriculum is fully recognised by staff. Children are encouraged to talk, reason, explain and justify their answers whenever possible in order to develop their thinking and confidence in maths, and beyond. Working walls support the use of correct vocabulary and effective methods and the children use these daily. The structure of the maths lesson is



flexible but will usually include: key vocabulary; skills practise; some modelling by the teacher; independent work and opportunities to reason; challenge. A topic may start with a 'hook' which provides some context for the learning and engages the children right from the start. At Heamoor School our aim, in all aspects of school life, is to inspire, engage and challenge children to try new things, have a go without fear of mistakes and persevere with tricky tasks – our implementation of maths reflects this.

### Impact

We measure the impact of our maths curriculum in terms of achievement and progress. We use summative assessments (White Rose end of unit tests & end of term assessments) and formative judgements (teacher assessment using Insight) to make informed decisions about the children and decide on their next steps. For all of us at Heamoor School though, the impact of the maths curriculum is about more than this. It is about the confidence and attitude of the children, their engagement in learning and their enthusiasm for the subject. It is these attributes that we truly aim to foster in the children (and the adults), not just in maths but in every aspect of life.