



HOOK INFANT SCHOOL MATHEMATICS POLICY

In our teaching of mathematics, we aim to:

- create a learning environment where pupils can develop their mathematical skills and concepts and apply them in a range of situations in mathematics, other curriculum areas and the outside world.
- To nurture positive attitudes, build confidence and enable each child to experience success.
- To develop an interest and enthusiasm in mathematics in all pupils.

We see all learning as an opportunity for spiritual, moral, social and cultural development. Through teaching mathematics we aim to inspire motivation by fostering the children's curiosity, imagination, insight and intuition. We believe that all pupils should have the opportunity to fulfill their potential whatever their background, identity and circumstance. Hook Infants is committed to creating a community that recognises and celebrates difference within a culture of respect and cooperation.

We plan and teach mathematics in accordance with the objectives and ethos of the National Curriculum 2014 and Early Years Foundation Stage.

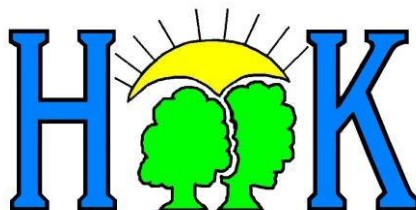
In Key Stage One there is a dedicated daily mathematics lesson and additional short afternoon session, where direct teaching and interactive oral work is undertaken to ensure continuity and progression. Activities are set to ensure challenging, motivating and encourage pupils to talk about what they have been doing. Pupils develop their knowledge and understanding of mathematics through practical activity, exploration of models and images and discussion. They learn to count, read, write and order numbers to 100 and beyond. They develop a range of mental calculation skills and use these confidently in different settings, and this number fluency is particularly targeted during the short afternoon sessions. They learn about shape and space through practical activity, which builds on their understanding of their environment. They begin to grasp mathematical language, using it to talk about their methods and explain their reasoning when solving problems.

In the Early Years Foundation Stage mathematics is taught daily through teacher led and child initiated rich mathematical experiences through the use of engaging resources both inside and outside of the classroom.

Emphasis is placed on the understanding of number through mental calculation and problem solving related to the curriculum aims of fluency, reasoning and problem solving.

We aim to:

- Develop an appreciation and understanding of number and place value, calculation, measurement, geometry and statistics.
- Develop a willingness and perseverance to make connections through applying taught



skills and mathematical language to be able to investigate, reason, classify, generalize and prove through problem solving opportunities and challenges within the curriculum.

- Develop cross curricular links of using and applying reasoning and understanding to solve problems by linking it to real life experiences through connections to everyday life and the real world.
- Assess the children against our school assessment criteria and carry out ongoing formative assessment to plan for progression, closing the gap and raise attainment across the whole school.
- Use a range of I.C.T. activities in support of the Mathematics Curriculum.
- Deliver Rich Mathematical Tasks within each unit of learning through a range of teaching methods which ensure fluency, reasoning and connections which allow children to solve problems through their understanding of number.
- Adapt the tasks to suit the needs of all children to ensure they reach their full potential.
- Develop individual learning approaches by encouraging children to choose equipment they wish to use to support and consolidate their learning.
- Provide professional development training and ensure all teachers and support staff are confident in their teaching of mathematics and able to provide lessons of a consistently high standard.

The National Curriculum Programmes of Study for mathematics will be delivered through the schools planning for Mathematics and use a cross curricular approach where appropriate.

Reviewed and revised January 2023

Approved by the Governing Body, Hook Infant School

Signed *Alison Collier*

Date for review January 2026