

Maths at Crofton Hammond Infant School



Curriculum/Scheme

In Early Years we follow the NCETM Mastering Number Programme which supports children to develop a secure sense of number and will provide them with firm foundations on which to build. In Key Stage 1 we follow the HIAS (Hampshire Inspection and Advisory Service) model, which has a cyclical approach to each maths domain, deepening learning and understanding. The domains are: Place Value, Addition & Subtraction, Multiplication and Division, Fractions, Measure & Geometry.

The three key aims of our maths curriculum are to provide our children with Maths Fluency, Reasoning and Problem Solving skills. This is facilitated by:

- Children solving a range of mathematical problems (including those in real life contexts)
- Children using a range of concrete resources alongside pictorial and abstract representations.
- Children becoming fluent in number through recall of key number facts (number bonds, doubles, halves, counting in multiples etc.)
- Children looking for mathematical patterns to help their understanding and support their reasoning skills.
- Children making links across the various maths domains.
- Children practicing retrieval skills through 'Mathletics' sessions.

Assessment

A wide range of tasks (summative assessments) are used to establish individual starting/end points in each domain of Maths. Formative assessment happens throughout lessons to address misconceptions and to form flexible groups, allowing learning to be moved on at an appropriate level. At the end of each term, teachers identify whether children are 'working towards', 'expected' or 'greater depth' with regard to age related expectations, which feeds forward to the termly revisit of each domain.

Hammond Heart – Safeguarding our Children

Children are taught to use mathematical equipment safely.



Social, Moral, Spiritual and Cultural Development

We provide opportunities for the children to recognise how the maths they are learning relates to the world around them by providing problems with real-life contexts. Discussion and team-working is a fundamental feature of our Maths curriculum and the children are encouraged to **respect** each other's mathematical methods, share ideas, build **resilience** in problem solving, challenge each other and problem solve collaboratively.



Home Links

Key number facts are sent home, via the SWAY newsletter, for parents to support children's learning. Our calculations policy which shows progression across the Key Stage, is available on the website and a workshop 'The Journey of a Mathematician' is available in person and online, which provides ideas for practical maths activities to embed the learning.



Linked P4C Concepts

Sharing, Fairness, Equality, Similarities/differences

