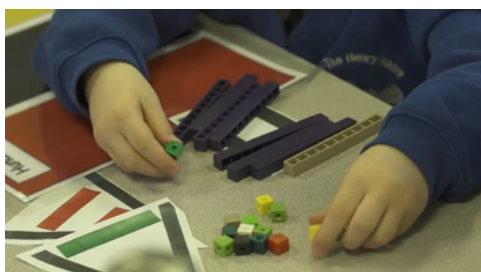


Intent

We intend to develop learners who:

- Ø Understand the world, have an appreciation of the beauty and power of mathematics, and a sense of enjoyment and curiosity about mathematics.
- Ø Recognise that maths is accessible to all.
- Ø Become fluent in the fundamentals of mathematics.
- Ø Develop reasoning skills in order to prove or disprove mathematical concepts and ideas.
- Ø Develop children's ability to solve real life problems.
- Ø Make rich connections across the mathematics curriculum to develop fluency, mathematical reasoning and competence in solving sophisticated problems.
- Ø Apply mathematical knowledge to other subjects.
- Ø Understand that mathematical skills are life skills and are likely to contribute to future career paths.
- Ø Realise that mathematics has been developed over centuries, providing solutions to some of history's most intriguing problems.



Implementation

At Henry Moore Primary School we:

- Ø Adopt the Teaching for Mastery approach, using schemes of work compiled by leading practitioners.
- Ø Ensure that children experience learning through a concrete, pictorial and abstract approach.
- Ø Recognise that teaching and learning in mathematics is underpinned by the '5 big ideas': coherence, representation (and structure), mathematical thinking, variation and fluency.
- Ø Maximise the children's fluency in the fundamental operations through regular opportunities to practise and play.
- Ø Expose children to mathematics daily to build on prior knowledge and consolidate previously taught concepts, committing these ideas to long-term memories.
- Ø Deliver assessment regularly and informally in a low-stake environment to promote retention, reduce anxiety around mathematics and inform future learning opportunities.

Impact

For all children to:

- Ø Experience the enjoyment of maths and believe that they are mathematicians.
- Ø Succeed in mathematics, committing concepts to their long-term memory.
- Ø Be fluent in mathematics, performing calculations with speed, accuracy and efficiency.
- Ø Have a rich mathematical vocabulary that enables them to reason and explain their thoughts.
- Ø Approach mathematics with confidence and resilience.
- Ø Develop sophisticated problem solving skills that will empower them in fields of mathematics, engineering, science, space discovery and more.

