

Everyone a Mathematician!

We believe that everyone can learn mathematics to the highest level. Mathematics is a creative subject, where children are continually making connections and sense of concepts. It is essential for everyday life and key to children's wellbeing. Therefore, it is our aim to ensure every child is numerate by the end of their primary education and ready for the next stage in their education.

We aim for all our children to:

- Understand important concepts and make connections within mathematics.
- Develop a broad range of skills in using and applying mathematics.
- Work independently and take initiative in solving problems in a wide range of contexts.
- Embrace the value of learning from mistakes.
- Become passionate about mathematics and committed to the subject.

Teaching for Mastery

Our long term and short term plans are designed to support a mastery approach to teaching and learning of mathematics and have been designed to support the aims and objectives of the new National Curriculum.

The overview plans:

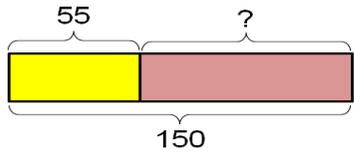
- -have number at their heart. A large proportion of time is spent reinforcing number to build competency.
- -ensure teachers stay in the required key stage and support the ideal of depth before breadth.
- -ensure children have the opportunity to stay together as they work through the schemes as a whole group
- -provide plenty of time to build reasoning and problem solving elements into the curriculum.

Concrete – Pictorial – Abstract Approach

As an academy, we believe that all children, when introduced to a key new concept, should have the opportunity to build competency in this topic by taking this approach.

Concrete – children should have the opportunity to use concrete objects and manipulatives to help them understand what they are doing.

Pictorial – Children should then build on this concrete approach by using pictorial representations. These representations can then be used to reason and solve problems.



Abstract – with the foundations firmly laid, children should be able to move to an abstract approach using numbers and key concepts with confidence.