

Beaconhill Primary School Overview

- At Beaconhill, we have a commitment to improving attainment for all. We follow a 'mastery approach' to the teaching of Mathematics. We believe that children master the curriculum when they can apply their learning to new situations.
- We use concrete manipulatives in each classroom and these enable children to see patterns and make connections.
- Whole class teaching enables us to make concepts available to all children and fluid mixed ability groups, triads and pairings are used.
- Planning journals are used to plan session by session with detailed, daily evaluations of lessons used as the basis for the next session.
- We develop 'greater depth' by encouraging children to apply their knowledge to real life situations and to a range of problems presented in different ways.

A mathematician at Beaconhill Primary School should have:

- An understanding of the important concepts and an ability to make connections within mathematics.
- A broad range of skills in using and applying mathematics.
- Fluent knowledge and recall of number facts and the number system.
- The ability to show initiative in solving problems in a wide range of contexts, including the new or unusual.
- The ability to think independently and to persevere when faced with challenges, showing a confidence of success.
- The ability to embrace the value of learning from mistakes and false starts.
- The ability to reason, generalise and make sense of solutions.
- Fluency in performing written and mental calculations and mathematical techniques.
- A wide range of mathematical vocabulary.
- A commitment to and passion for the subject.

