

Maths at New Hall Primary School

The intention for the maths curriculum at New Hall Primary school is that Maths is for Life. Through developing fluency, varied fluency, problem solving and reasoning in maths the children will develop a sound understanding of the subject and see that maths is essential for their future lives. The children's aspirations for the future drive our intent and no matter what future career or life choices they make they will be able to apply their maths skills and reasoning to all future opportunities.

Maths is taught through mastery principals where deep understanding of mathematical concepts underpins learning. All children learn through the process of C (concrete), P (pictorial) and A (abstract). We are extremely well resourced with practical maths resources that the children use effectively within the classroom to help them understand maths. Our Maths Academy (Outdoor maths class room) also ensures children have lots of fun and engaging activities to take part in using large equipment including a maths climbing wall, oversized place value counters, giant tens frames and much more.

When confident with practical resources children record and work with pictorial representations. Pictorial representations such as the bar model are used to scaffold the children's understanding and help them to choose the maths they need to solve a problem. When understanding is strong then abstract maths which includes formal algorithms can be used but always with practical resources and pictorial representations readily available to support if needed. Our calculations policy ensures progress through school and clear structure to support progression.

Children have a three-part maths lesson each day that gives them the opportunity to practice fluency of skills. The next part of the lesson is varied fluency that enables pupils to use the same skills but shown in different representations. After their morning play the reasoning and problem solving part of the lesson begins: having a brain break in the middle of the maths lesson really supports focus and gives children time to think about their learning. RPS (reasoning and problem solving) gives the children a real opportunity to deepen their understanding about maths. It also enables children to think, talk and develop ideas about their learning. All pupils are given equal opportunities to reason and problem solve regardless of their ability as these skills are essential for all aspects of their lives, now and in the future.