

Why is it important to teach Mathematics?

Mathematics teaches children how to make sense of the world around them through developing their ability to calculate, reason and solve problems. At North Road we believe that **all** children can achieve in maths through self-belief and effort and encourage a 'can do' attitude at all times.

We promote enjoyment of learning through practical activity, exploration and discussion. We encourage children to understand the importance of mathematics in everyday life, whether it be calculating change or percentage decreases when shopping, weighing precise amounts of ingredients when following a recipe or measuring a specific area of flooring to carpet.

What our children say....

At North Road children are enthusiastic and eager to learn. They think maths lessons are fun and enjoy the challenge that the lessons provide them. They want to succeed and do well in maths and they like being able to talk about their maths; to their partner, group or teacher.

"I enjoy maths most when I talk to my partner about our maths"

"I like using the learning wall to help me"

"I love the challenge"

"I love maths because it is fun, even though I don't always get it right"

What does Mathematics look like at North Road?

Our main aim at North Road is to promote confidence and competence in maths. We create a positive learning environment where the children are not afraid to make mistakes and are encouraged to persevere and use the 'Power of YET' (I can not do that... yet!), if they are unsure of a mathematical concept.

We want our children to become fluent in solving calculations with the four rules of number and seek to provide them with a variety of strategies to enable them to solve a range of problems.

Small steps and a style of teaching, whereby we adopt an 'I do/we do/you do' approach, are encouraged and supported and we ensure there is challenge for all children through our 'Learn it!' 'Use it!' 'Deepen it!' teaching sequence.

'**Learn it**' tasks aim to improve the children's fluency of the skill.

'**Use it**' tasks challenge the children to draw on and apply the skills they have achieved in the 'Learn it' tasks.

'**Deepen it**' tasks require the children to explain their understanding.

Events and learning opportunities

We encourage the use of practical equipment and visual images, such as Numicon, Base 10, number lines and the bar model, to support the children's learning and make the maths teaching accessible to all. Through mathematical talk, we encourage children to develop the ability to articulate, discuss and reason their mathematical thinking.