



Intent

At Newlands, we believe that maths is an important part of children's development throughout school, building on their prior learning from infant school. We are committed to ensuring that children are able to recognise the importance of maths in the wider world and that they are also able to use their mathematical skills and knowledge confidently in their lives in a range of different contexts. We want all children to enjoy maths and to experience success in the subject, with the ability to reason mathematically and become skilled mathematicians. We are committed to developing children's curiosity about the subject, as well as an appreciation of the beauty and power of maths. Through high quality teaching, we intend to deliver a curriculum which:

- Allows children to be a part of creative and engaging lessons that will give them a range of opportunities to **EXPLORE** mathematics following a mastery approach.
- Gives each pupil a chance to **BELIEVE** in themselves as mathematicians and develop the power of resilience and perseverance when faced with mathematical challenges, which they can then transfer into other aspects of their learning.
- Recognises that mathematics underpins much of our daily lives and therefore is of paramount importance in order that children **ASPIRE** and become successful in the next stages of their learning and as adults.
- Engages all children and entitles them to the same quality of teaching and learning opportunities, striving to **ACHIEVE** their full potential, as they belong to our school community.
- Makes rich connections across mathematical ideas to develop fluency, mathematical reasoning and competence in solving increasingly sophisticated problems.
- Provides equal opportunities for children to apply their mathematical knowledge to other subjects (cross-curricular links).
- Is in line with the expectations in the National Curriculum 2014.

Implementation

We have, for all year groups, comprehensive skills progression documents in maths, for staff to follow to best embed and cover every element of the maths national curriculum. The knowledge/skills statements build term on term, year on year, to deepen and challenge our learners. As well as our skills progression documents, we also have a progressive calculation policy, which staff use as part of a range of planning and resourcing tools, including White Rose Maths, as well as equipment, to teach maths and to transfer these skills into topic work across the curriculum. In order for children to know more and remember more in each area of maths studied, prior knowledge is always considered and opportunities for revision of facts and mathematical understanding are built into the daily timetable. Revision has become good practice and ultimately helps to build a greater depth to children's mathematical understanding. Through revisiting and consolidating skills, we help children build on prior knowledge alongside introducing new skills and challenge.

Additionally, we have a vocabulary progression document, written in conjunction with John T Rice Infant School, for staff to follow and embed mathematical vocabulary across the school. Revision and introduction of key vocabulary is built into every lesson. Through our maths lessons at Newlands, we intend to inspire pupils and teachers to develop a long-lasting love of maths.

Impact

We encourage our children to enjoy and value the curriculum we deliver. We want learners to discuss, reflect and appreciate the impact maths has on their learning, lives, development and well-being. The impact of using a wide range of resources will be seen across our school, by the amount of children whose confidence has grown considerably in maths. Learning environments across the school will display technical, mathematical vocabulary, to support the learning taking place, as well as all vocabulary to support the four number operations. We anticipate that these will be spoken and used by all learners.

Whole school and parental engagement will be improved by inviting parents and grandparents to maths mornings, including introductory sessions for our online learning opportunities, which can also be accessed at home.

We want to ensure that maths is loved by teachers and pupils across Newlands. This will be done by encouraging pupils to want to continue building on this wealth of mathematical knowledge and understanding, now and in the future. Progress of our maths curriculum is demonstrated through outcomes, a variety of which can be seen published in children's topic books, on big sheets, in photographs and on the school website.