

Intent

At The Limes Primary Academy, we recognise that Mathematics is both a key skill within school, and a life skill to be utilised through everyday experiences. A high-quality maths education provides a firm foundation for understanding how maths is used in everyday life and activities, developing pupils' ability to reason mathematically.

Through the teaching of maths, we aim to develop:

- A positive attitude towards maths and an awareness of the relevance of maths in the real world.
- A process of enquiry and experiment.
- An ability to solve problems and think logically in order to work systematically and accurately.
- An ability to work both independently and in collaboration with others.
- Competence and confidence in pupils' maths knowledge, concepts and skills.
- An appreciation of the creative aspects of maths and an awareness of its aesthetic appeal.
- An understanding of mathematical concepts and reasoning skills.

Implementation

At The Limes Primary Academy, we have recently adopted Mathematics Mastery (March 2021); a quality assured Mathematics scheme which has been built with a research base at it forefront. It stems from the principles of mathematics world leaders in Shanghai and Singapore.

In Reception, children are introduced to the visual consistency and routines of Mathematics Mastery through Maths Meetings – these regular, short rehearsals of Mathematics skills ensure that retrieval practise is spiralled from our youngest learners.

In KS1 and KS2, children follow the Mathematics Mastery approach as prescribed in the programme with a daily Maths lesson learning explicit skills and a thrice weekly Maths meeting to accommodate for spaced practise of previous skills.

In a Maths lesson you will see:

- Collaboration and opportunity for partner talk
- Consistency in routines including a 6-part lesson.
- Opportunities for children to work independently, applying their learning.
- Vocabulary and correct mathematical terminology used in all year groups.
- Working walls used to model and scaffold learning.
- Concrete manipulative accessible to children to select to support their Mathematical Understanding.



THE LIMES
PRIMARY ACADEMY

Mathematics

Impact

Our curriculum is designed so that every academic year begin with number and place value units – children revisit and consolidate the relevant material required to access the age appropriate learning. Children will deepen their Mathematical Understanding, year on year while also applying their Reasoning skills to understand the prevalence of Mathematics in 'real-life'. Children will become independent Mathematicians and develop a confidence to use both concrete and pictorial scaffolds to support them in their learning. Children at The Limes will grow a confidence to challenge themselves in Mathematics. They will embrace their mistakes by appreciating the opportunity which mistakes present, and they will leave us as resilient Mathematicians – understanding that effort yields results.