



Lancaster Lane Maths Intent Statement

At Lancaster Lane we have high expectations of all of our children in order to raise and maintain attainment and achievement. This includes encouraging children to develop self-confidence, resilience and enjoyment in their mathematical experiences. Through our teaching of mathematics we have a variety of aims:

- To allow all children equal access to maths regardless of gender, ability, creed, or ethnic origin and encourage children to fully contribute to their mathematical learning.
- To recognise that the maths curriculum provides children with one of the vital skills for life, thus enabling them to function mathematically in the real world.
- To ensure coverage of the National Curriculum.
- To teach mathematics daily, in line with the National Curriculum, with a focus on teaching mental calculation strategies and formal written methods which help to encourage fluency.
- Encourage problem solving to be the basis of all learning and teaching and to promote children to reason mathematically, applying this in both routine and non-routine problems.

Lancaster Lane encourages all children to believe in their ability to master maths and they are empowered to succeed through curiosity, persistence and talk while collectively tackling new concepts. Our aim is to spark a life-long curiosity and excitement for maths and for children to be able to apply the skills and knowledge they have acquired in their future learning to take these with them into the real world. By encouraging this love of maths, we will instil confidence and competence through a spiralled, mastery approach. At Lancaster Lane we use 'Power Maths' from Reception to Year 6 which focuses on the mastery of maths and enables children to revisit and consolidate their previous learning whilst also allowing them to explore concepts in a variety of ways.

Power Maths combines rich, high quality texts books that provide a coherent structure through the curriculum whilst supporting children on their journey to deeper learning with practise books that provide intelligent, independent questions for children to consolidate their learning. This approach supports Lancaster Lane's drive for mastery.

Maths is a critical skill in all aspects of life and its involvement in many other subjects across the National Curriculum allow for the use of mathematics in a wide range of different contexts and circumstances. We aim to teach children to be able to use their learning in the real world and equip them with the confidence and ability to be successful in their future lives through their knowledge of mathematics.

Mathematics will be both formally and informally assessed through summative assessment at the end of each unit and through termly assessments which show the progress of pupils. As well as this, formative assessment is an integral part of daily lessons and allows the teacher to adapt to pupil needs quickly to support and challenge children further. The subject leader will then use this data to ensure all objectives are being covered appropriately and that, as a school, we are encouraging each child to really achieve their full mathematical potential.

