



Mathematics

Intent

Our Lady of Lourdes' mathematics curriculum begins in EYFS based on the objectives of the EYFS Framework (2023), working towards attaining the Early Learning Goals (ELG) for mathematics in 'Number and Numerical Patterns'. In EYFS, teachers make use of the 'Master the Curriculum' toolkit, which uses a range of concrete, pictorial and abstract approaches to support teachers in the delivery of the EYFS Framework, enabling pupils to acquire the solid foundational knowledge and skills to best prepare them for Key Stage 1.

The mathematics curriculum at Our Lady of Lourdes teaches pupils life skills to enable them to become keen, confident and skilled mathematicians, who are curious about mathematics and understand the importance of mathematics in their everyday lives. Teaching of mathematics in our EYFS is based on the objectives of the EYFS Framework (2023), working towards attaining the ELG for mathematics in 'Number and Numerical Patterns'. To ensure teaching and learning in EYFS is in line with the updated framework (specific area – mathematics), teachers make use of the 'Master the Curriculum' toolkit. Within KS1 and KS2, the National Curriculum is the primary document used to direct and focus the teaching of mathematics, which provides a purposeful progression of knowledge, skills and vocabulary. Teachers use the Abacus teaching programme as a foundation for planning, to ensure that coverage of the National Curriculum is thorough, progression of arithmetic and reasoning skills and knowledge is evident, and the standard of teaching and learning across the year groups is consistent throughout the school; the programme also includes links to NRICH activities that provide further challenge to children who have mastered a concept by giving them the opportunity to apply their learning to more complex problem-solving situations.

By teaching mathematics this way - in discrete lessons, and with purposeful links to other curriculum areas - pupils develop confidence and proficiency with number, mental strategies to support depth of understanding, and a positive approach to investigations and solving problems.

At Our Lady of Lourdes, we incorporate mathematics into a wide range of cross-curricular teaching and learning. Through the use of concrete apparatus and pictorial representations, children are supported with mathematical understanding prior to using abstract strategies. Opportunities for discussion support both the understanding and development of mathematical language, which can be used appropriately to reason and explain across the curriculum, and to stimulate curiosity, challenge thinking, and embed pupil's learning. We provide enrichment activities for our pupils using local community links such as fundraising; participation in national maths events; data collection based on real-life situations; links with cluster schools, and inter-school competition.

Throughout their time at Our Lady of Lourdes, our pupils are provided with a variety of opportunities and experiences to support them in developing their understanding of themselves as numerate individuals within both their community and as members of the wider global community. As pupils progress through the key stages, they are encouraged to recognise themselves as keen and skilled mathematicians, who can use and apply mathematical skills and strategies to support their learning across the primary curriculum and in everyday life, confidently and safely.