

Intent

Mathematics at Floreat Wandsworth is ambitious and meets the National Curriculum standards at the end of each key stage. The vision of the teaching of mathematics at Floreat Wandsworth will provide pupils with a positive attitude towards number and enjoyment of maths lessons. Pupils will develop their fluency in number facts through precise teaching and develop a strong understanding of the most important mathematical knowledge and skills thus leading to a secure and deep understanding of mathematical concepts. Maths lessons will develop pupils ability to reason, problem solve and think logically. Children will gain mathematical curiosity where they are motivated to ask questions to enhance their understanding and further deepen their own knowledge and understanding.

The curriculum

At Floreat Wandsworth we follow the National Curriculum for mathematics and work closely with local NCETM Maths Hubs. We deliver an inclusive, inspiring and engaging mathematics curriculum, enabling the children to be numerate, creative, independent, inquisitive, and confident. A mastery approach to the National Curriculum ensures the pupils spend a sufficient length of time on each unit so that they are secure using and applying their new skills before moving on to tackle new concepts. The small steps that we have broken our curriculum into enable pupils to deepen their understanding and, as they progress through the curriculum, build and extend their skills and understanding.

Implementation

Our school uses a variety of teaching and learning styles in mathematics to create an engaging mathematics curriculum. The teaching of mathematics at Floreat Wandsworth is based on research and evidence of how pupils best learn and secure knowledge. Learning is delivered in small, coherent steps to ensure access for all. Pupils are explicitly taught number fact fluency which allows them to access other areas of Maths with ease. Representations such as tens frames, rekenreks, number beads, number lines, Numicon, Dienes, place value counter support pupils by revealing the mathematics and allowing pupils to understand the concepts taught.

Alongside developing children's fluency in arithmetic skills, the curriculum requires pupils to reason and think mathematically. At Floreat, we provide opportunities for children to apply their skills and understanding to everyday contexts. Pupils are encouraged to enquire, deepen and explore their understanding through discussions, investigations and open-ended problems. We encourage our children to talk mathematically as children are always asked to explain their answer using precise vocabulary and generalisations.