

Mathematics at Glendale Middle School

Intent

At Glendale Middle School, Maths education should be fully inclusive to every child. It is our aim to instill a love of Maths in all our children while fulfilling the requirements of the National Curriculum. We wish to inspire in pupils a curiosity and fascination about Maths that will remain with them for the rest of lives. In Key Stage 2 (years 5 and 6) we use the Collins Busy Ant scheme which inspires enjoyment of Maths and develops conceptual understanding through a sequenced approach. Through all of this, we will ensure the progressive development of mathematical concepts, knowledge and skills initiated in our main feeder first school. In Key stage 3 (years 7 and 8) we build on Key Stage 2 by using the Oxford My Maths programme which provides an integrated solution to learning.

Implementation

To ensure high standards of teaching and learning in Maths, we implement a curriculum that is progressive throughout the whole school. All Maths teachers have undergone the Singapore Maths training so a consistent approach is adopted across all year groups. Teachers plan lessons for their class using the scheme as a starting point and use their knowledge of the National Curriculum and teaching experience to add support and challenge for children as appropriate.

We use practical resources and pictorial representations to support the teaching of Mathematics.

We develop subject knowledge and key skills, while differentiating the work for all abilities when appropriate. In order for children to know more and apply skills taught they are given the opportunities to build on previous learning and use skills acquired in mathematical reasoning. Teachers will use opportunities such as starter activities and plenaries to build up reasoning skills within the framework of their learning.

Impact

Children at Glendale enjoy Maths lessons and look forward to learning more and developing new skills. The children are encouraged to apply their learning to reason in apply their learning accordingly. This may take in place in work set in the classroom or at home through set homework activities or enrichment activities. Evidence of work shows progress in Maths in each year group and work is differentiated appropriately. Standards in Maths at Key Stage 2 are in line with National Expectations and accelerated progress is made by the end of year 8.

Impact is measured through informally assessing the children's work before and after each Maths concept is taught; marking of work in books, discussion with pupils and more formal assessment at the end of units of work. Pupils are assessed against the curriculum expectations for their year group throughout the year. SLT are informed on a termly basis through data analysis, informed moderation and action plans.