



Mathematics

Intent, Implementation and Impact

Intent

Our aim at Burlington Junior School is to encourage children to be confident and independent mathematicians who are able to apply secure strategies to working with the maths they encounter, specifically with maths lessons and also across the broad school curriculum.

Implementation

Pupils require secure knowledge and skills in their understanding and application of number. The school follows the 'Effective Maths' programme, which is a mastery approach to the teaching of mathematics. It is a comprehensive framework for ensuring high quality maths teaching, developing the key features of: mastery; procedural and conceptual understanding; variation; mathematical patterns, relationships and connections

At the beginning of the year, through Effective Maths, all pupils in school review how our number system works and the basics of calculation with number, focussing initially on addition and subtraction. Methods for calculating are modelled and pupils are assessed formatively for their understanding during the lesson. Those who require further practice are focussed on for further intervention to ensure they are able to develop in their maths understanding.

In addition to Effective Maths, pupils are supported in their understanding through the use of Mathletics and Times Tables Rock Stars. Both are online learning platforms which can be accessed outside of school. A Times Tables Rock Stars leader board is updated regularly.

Impact

Maths assessment is ongoing throughout every lesson and, where applicable, through cross curricular themes. This allows the teacher to focus effectively on pupils who require further intervention, to ensure their maths understanding develops towards the required level, and also to enable appropriate challenge to all children. Pupils are given detailed feedback on their work *in situ* and in marked response, including next steps, to respond to in order to personalise their learning through editing and consolidating their understanding.

A class tracker based on the skill domains are used to record their progress with the Effective Maths programme. A personal pupil tracker informs both the pupil and teacher of their achievements and what they need to improve further. Regular question level analysis from assessments allows teachers to monitor and intervene on maths areas of need. School improvement leaders closely monitor all pupil's books and hold individual termly meetings with all teachers to assess individual child's learning needs and progress. In addition, pupil voice is used to enable leaders to assess the impact of maths across the curriculum.