Burlington Infant School is taking part in the National Centre for Excellence in the Teaching of Mathematics (NCETM) project 'Mastering Number at Reception and KS1 in which we support pupils to develop good number sense. Number sense is the ability to understand numbers and their relationships, and to work with them flexibly. It is a key part of mathematical fluency and understanding. Teachers develop intentional teaching strategies focused on developing fluency in calculation and number sense for all children using appropriate manipulatives to support the teaching of mathematical structures

This project aims to secure firm foundations in the development of good number sense for all children from Reception through to Year 1 and Year 2. The aim over time is that children will leave KS1 with fluency in calculation and a confidence and flexibility with number. Attention is given to key knowledge and understanding needed in Reception classes, and progression through KS1 to support success in the future.

For further information you can click on the link below to watch some videos below that give a flavour of Mastering Number happening with different age groups. The teachers here explain how the programme has benefited the pupils in their classes, providing firm foundations for later work in maths.

https://www.youtube.com/watch?v=SHaKvAgrU44nk:

The programme focuses on the key knowledge and understanding needed in Reception classes, and progression through KS1.

Reception children learn through this programme as their main Maths lessons for 4 days a week. They then access further maths learning through play based activities throughout the week. Year 1 and 2 participate in four short sessions each week in addition to their daily Maths lessons. All sessions are aimed at developing children's fluency and flexibility with number.

What do we learn?

- Pupils will develop and demonstrate good number sense
- Pupils will develop a secure understanding of how to build firm mathematical foundations