

## Oulton Primary School

### Maths Curriculum Intent (updated Sept 2021)

#### Intent

At Oulton Primary School, we want all our children to be confident mathematicians who can understand the importance of maths in the wider world. Our curriculum embraces the National Curriculum aims. We want pupils to become fluent in the fundamentals of mathematics, to be able to reason and to solve problems. Through building on prior knowledge and skills the math's curriculum can be accessed by all.

#### Implementation

In EYFS, maths teaching is based on the NCETM Maths Mastery programme through daily maths input sessions and focussed groups. Alongside this, children are given mathematical opportunities across the provision and through daily routines.

In Year 1 to Year 6, lessons are planned and taught following the National Curriculum. Most Maths lessons are delivered through Maths No Problem which is an amalgamation of global ideas delivered as a highly effective programme of teaching methods and resources. We use a teaching approach in which each subject or skill area is revisited in intervals at a more sophisticated level each time. A concrete pictorial abstract (CPA) approach runs throughout the MNP programme. Initially a concept is enacted with "concrete" materials, later it is represented by models (pictures) and then by abstract notation (such a plus or equals sign). Pupils are encouraged to work alongside a partner and coach each other until a concept is embedded. Children are then given the opportunity to problem solve and develop their reasoning around the concept in a variety of real-life contexts. The lessons are adapted to suit the needs of all learners when appropriate. Occasionally, pupils may receive added intervention or be moved between groups.

Maths fluency lessons are delivered outside of the main daily maths lesson to develop confidence and fluency. EYFS and KS1 are taking part in the Mastering Number program. 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. In KS2, fluency sessions are brief, pacy and create a buzz of excitement in which children are recalling and using their knowledge efficiently.

At Oulton, we implement math across the curriculum through demonstrating mathematics as it applies to other subjects. This allows our pupils to recognise the importance of math concepts in all subject areas and the world in which we live.

#### Impact

It is important that our children enjoy maths and can explain their reasoning when applying their skills to different situations. Pupils' maths shows positive development from their individual starting points and children make at least expected progress. As children progress through school, they build upon their prior knowledge and skills and this is evident in their work. They are able to recall key facts and work efficiently using appropriate methods.