

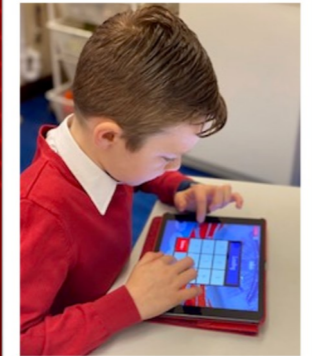


Mathematics

Intent

At Newcroft Primary Academy, Mathematics is recognised as key life skill. It is essential for everyday life, critical to science, technology and engineering, and necessary for financial literacy and most forms of employment. Mathematics is therefore vital for the life opportunities of our children. Our vision is to ensure that our pupils become fluent in the fundamentals of mathematics; are able to reason and problem solve by applying their mathematics to a variety of increasingly complex problems; and they develop their resilience to reason and problem solve with increased confidence and accuracy. Within mathematics, we support our children in developing many transferrable skills including resilience, determination, curiosity, perseverance and independence.

The National Curriculum objectives form the starting point to our planning for mathematics teaching. Lessons are coherently planned to sequentially build upon children's prior knowledge and opportunities are provided to regularly revisit areas of the mathematics curriculum to support children in transferring these skills and their mathematical knowledge to their long term memory. Securing progression for all children, whilst not putting a ceiling what children can access and achieve, are fundamental aspects of how we teach mathematics at Newcroft.



What?

Impact

Fluency– We give daily opportunities for children to become fluent in the fundamentals of mathematics through arithmetic starters. SJLC, games, Times Table Rockstars and Numbots practice, as well as our new TT songs!

This enables them to not only develop their knowledge, but also their speed of recall. Pupils will be able to recall and apply their knowledge rapidly and accurately to enable them to more confidently solve problems and reason about other areas of mathematics.

We have taught a gap focussed Maths curriculum in the Autumn term 2020. We have revised 'forgotten' knowledge and taught missed learning from our closure. We have ran weekly intervention sessions, within the school day, for all pupils who have large gaps in their learning, in addition to targeted tuition afterschool.

All children have been exposed to high quality, intensive gap filling teaching. Autumn 2 testing, using standardised tests (NTS) have shown that all year groups have closed the gap significantly from their baseline scores. Year 2 93% EXS+, Y6 86% EXS+, showing 20%+ uplift on baseline testing.

We have developed our support for parents at home with the aim to increase their confidence and engagement in supporting their child. We have sent out home support packs for building Timestables fluency. We have a Maths Hub on our website with short clips of 'how to' for parents.

Our Year 4 parents have told us that they feel more confident in supporting their child with learning their timestables and in supporting them to prepare for the MTC in June 2021. Increased parental support has resulted in 78% of pupils achieving a score of 23 and above in our Autumn 2 MTC mock.