

Maths overview at Oxford Gardens Primary School

We use Maths Mastery overviews from R – Y5. Y6 produce their own overviews using Maths Mastery and target trackers (which are directly linked to the National Curriculum) in preparation for SATS tests in May.

Why Maths Mastery?

As part of the National Curriculum children are expected to:

'Become fluent in the fundamentals of mathematics, including through varied and frequent practice with increasingly complex problems over time, so that pupils develop conceptual understanding and the ability to recall and apply knowledge rapidly and accurately

Reason mathematically by following a line of enquiry, conjecturing relationships and generalisations, and developing an argument, justification or proof using mathematical language

Can solve problems by applying their mathematics to a variety of routine and non-routine problems with increasing sophistication, including breaking down problems into a series of simpler steps and persevering in seeking solutions.'

Maths Mastery is made up of key components which link our core values at OGPS as well as covering everything the National Curriculum expects. These include: developing conceptual understanding in order for the children to think deeply when learning; building their mathematical vocabulary and communication through explaining and reasoning; solve problems systematically and using a growth mindset to tackle equations and challenges.

Formative assessment is a key part of MM; it promotes ongoing assessments, which helps teachers to adapt planning as well as challenging children, so they achieve their full potential. End of unit summative assessments also provide teachers with another form of assessment to guide future planning and teaching.

Coverage

The coverage is set against the National Curriculum targets with a thorough breakdown of the number units such as $+$ $-$ \times \div and fractions. Other areas of the curriculum are still taught even with such a strong emphasis on number. There are 2-3 weeks of consolidation learning at the end of each half term, these are used, along with Maths Meetings, to ensure we cover all areas of each year groups curriculum targets. Teachers use target trackers to guide their learning intentions to ensure **all** areas of the National Curriculum are covered.

Our children are challenged through depth, not just by larger numbers. They are encouraged to find alternative methods and asked to use a variety of different resources to help back up their answers. Our coverage enables us to do this.