

POTTERY PRIMARY SCHOOL - MATHEMATICS



Intent

Our mathematics curriculum has been designed with the intention of producing children who are confident and capable mathematicians. The mathematics curriculum has been designed to promote coherence; both on a lesson-by-lesson basis as well as across all year groups. With this in mind, our children progressively build a solid understanding of mathematical concepts during their time with us.

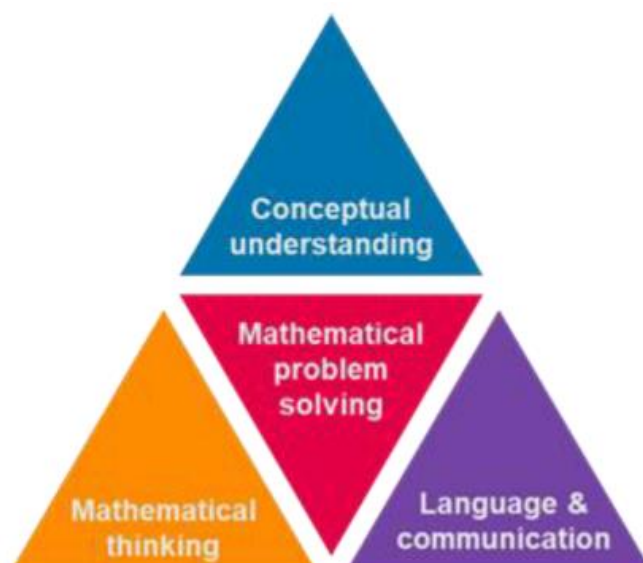
It is the intention that our children will possess a deep understanding of mathematics; one that can be applied to the wider curriculum in a confident manner.

Our children will enjoy their maths lessons, speak confidently about what they are learning about and can see the value of mathematics in their everyday lives.

Implementation

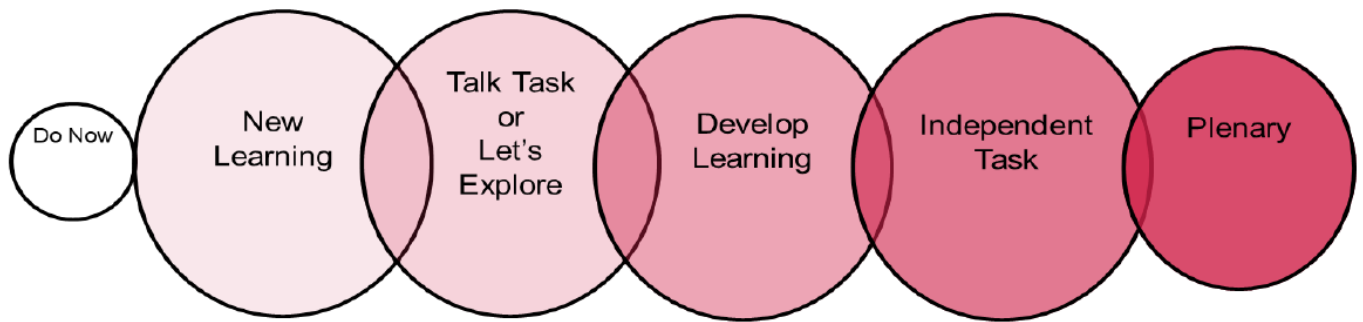
Mathematics is taught skilfully, with the aid of Ark Curriculum Plus' Mastery Mathematics programme. Our children participate in daily maths lessons that are also complemented with short Maths Meetings. Maths Meetings are 10-20 minute sessions that focus on building fluency and number sense through fun, fast-paced speaking and listening activities.

At the core of our maths lessons, there are the 'Dimensions of Depth'. With **problem solving** at its centre, each lesson promotes **conceptual understanding** (building connections between different representations), **language and communication** (explaining, justifying and proving through language) and **mathematical thinking** (sorting, comparing and looking for patterns). We truly value the importance of discussion at Pottery Primary School and this is reflected in our maths lessons where the children, using each lesson's *Star Words*, are given many opportunities to discuss their understanding.



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Maths lessons themselves follow the sequence outlined below:



Each lesson starts with an independent fluency-focused activity which helps focus the children on their work and provides them with a successful start to their learning. The remainder of the lesson is designed in a coherent manner which ensures the steps that the children make throughout a lesson are manageable – again, enabling success for all learners. The way in which our lessons are designed helps children view mathematics with a positive mindset, helping them to believe that maths is for everyone and that everyone can achieve!

Impact

The impact of our maths curriculum is measured in many ways. Firstly, our children are able to share a genuine love of maths and can speak confidently about their past and current learning. Secondly, progress within a year group is clearly measurable through the work they produce with children making clear progress in their maths journey. Finally, the quality of our mathematics curriculum can also be seen through the quality first teaching each member of staff is able to provide. Teaching is supported through ongoing CPD which plays a vital role in ensuring the best possible outcomes for the children. This is provided through easily-accessible CPD opportunities for each adult delivering our mathematics curriculum.

We are incredibly proud of the mathematics curriculum offer we have made available at Pottery Primary School.