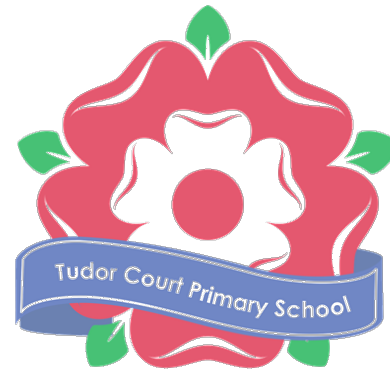


Maths Overview

Reception



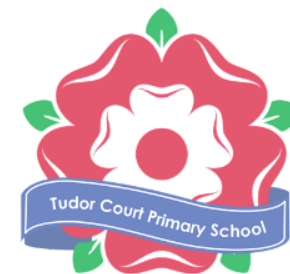
Mastering Number



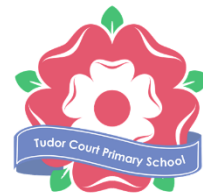
Across Reception and KS1, we have implemented the Mastering Number programme. Mastering Number is a new programme offered to schools in 2021/22 by the National Centre for Excellence in the Teaching of Mathematics (NCETM) and the Maths Hubs. This programme aims at developing and strengthening the understanding of number, including fluency with number facts among children in the first three years of school. Attention will be given to key knowledge and understanding needed in Reception classes and progression through KS1 to support success in the future. The aim over time is that children will leave KS1 with fluency in calculation and confidence and flexibility with number.

Our teachers deliver a daily session of 10 to 15 minutes in addition to their daily maths lesson. We use the provided resources such as lesson plans, visual resources and practical equipment to ensure consistency with the training our staff have received. Central to the programme is a small, abacus-like piece of equipment called a rekenrek, provided to the school to use.

At Tudor Court Primary, we have decided to implement this programme to strengthen our children's understanding of early numbers. Our intent at Tudor Court Primary School is to ensure all children can be successful in mathematics, and we firmly believe that all can achieve mathematics success! We aim to provide our children with automaticity, rapid recollection and confidence with basic number facts, e.g. subitising, number bonds within 20, odd and even, addition and subtraction, enabling them to enter KS2 with these key fundamental strategies solidified within their long-term memory.



	Strand	
	Number	Measure, Shape and Spatial Thinking
Cycle 1	Mastering Number Weeks:	Exploring Pattern Compare Size, Mass and Capacity Positional Language Circles and Triangles Shapes with 4 sides
Cycle 2	Mastering Number Weeks:	Time Length & Height Compare Mass Compare Capacity
Cycle 3	Mastering Number Weeks:	3d – shapes Patterns Spatial Reasoning 1: Match, Rotate, Manipulate
Cycle 4	Mastering Number Weeks:	Spatial Reasoning 2: Compose and Decompose Spatial Reasoning 3: Visualise and Build Spatial Reasoning 4: Mapping



Important Links and Websites

The NCETM Early Years Area

The aim of this section is to help teachers and practitioners in Early Years settings have a clear understanding of how children build early number sense, and to provide tips on how best to support that learning.

<https://www.ncetm.org.uk/in-the-classroom/>

Numberblocks

Numberblocks, first broadcast in January 2017, is a pre-school BBC television series aimed at introducing children to early number.

Snappy animation and lovable characters combine with engaging storylines to gently introduce concepts of number to support early mathematical understanding

<https://www.bbc.co.uk/cbeebies/shows/numberblocks>

NRICH

The NRICH Early Years resources aim to further develop young children's natural problem-solving abilities in the context of mathematics

<https://nrich.maths.org/early-years>

Learning Trajectories

[LT]2 is a web-based tool for early childhood educators to learn about how children think and learn about mathematics and how to teach mathematics to young children (birth to age 8)

<https://www.learningtrajectories.org/>

Early Math Collaborative

The Erikson Institute Early Math Collaborative is transforming the understanding, teaching and learning of early mathematics from the ground up.

<https://earlymath.erikson.edu/>

EEF Improving Mathematics in the EY and KS1

The guidance report summarises the latest research into early maths education and offers 5 practical recommendations for teachers to support the learning of children aged 3-7.

<https://educationendowmentfoundation.org.uk/tools/guidance-reports/early-maths/>