

Monkfield Park Maths Homework

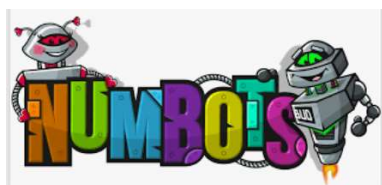
General strategy

Recognising the importance of number facts and mental calculation strategies, we have adjusted the whole school focus for maths homework with the aim of best equipping our children to achieve their potential in maths at the end of Key Stage 1, Key Stage 2, and beyond.

Key Stage 1

The maths homework expectation for children in KS1 is to spend 10–15 minutes each week on Numbots. On occasion, teachers may alternatively set a homework activity from a different online subscription, School Jam, in order to consolidate learning undertaken at school. Details of both Numbots and School Jam are provided below.

Numbots



The goal of Numbots is for children to learn efficient mental calculation strategies to add and subtract two-digit numbers, so that they can leave counting on their fingers behind.

Instant recall of key number facts must be built on a secure and genuine mathematical understanding in order for pupils to move forward and solve increasingly complex problems. Numbots equips each pupil with the set of core maths skills that they require by building their knowledge from the ground up. More information is included in this video: <https://youtu.be/5EdGOYu5zMw>

School Jam

School Jam is a Reception and KS1 maths practice programme, designed to be used alongside Power Maths, which is the primary maths teaching aid used in school.



Teachers can set weekly, fun, easy-to-use maths activities for children, to help plug gaps in children's knowledge and understanding and/or to consolidate current learning in school. The activities are designed to be completed by children with their parents, helping to optimise children's progress while building maths confidence. More information and previews of some School Jam activities can be found here: <https://www.pearsonschoolsandfecolleges.co.uk/primary/subjects/mathematics/school-jam-1#preview-activities>

Key Stage 2

The maths homework expectation for Years 3 and 4 is for children to spend 20–30 minutes on Times Table Rockstars each week. Children who have secured instant recall of their times table facts at the end of Year 4, will still be expected to spend 10 minutes a week on Times Table Rockstars in Years 5 and 6 to ensure instant times table recall is maintained. In addition to this, 20 minutes per week should be spent on Maths Flex, an online personalised tutoring programme (similar to Maths Whizz), to help with their understanding of elements of the maths curriculum. Details of both Times Table Rockstars and Maths Flex are provided below.

Times Table Rockstars

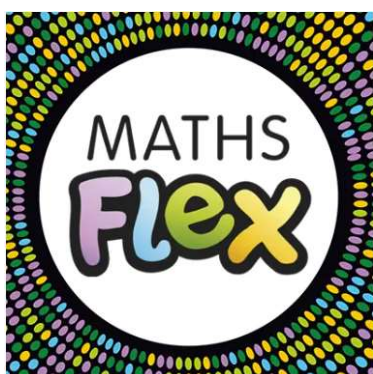
Times Tables Rock Stars is an online maths programme that enables children to learn their times tables to enable instant recall of multiplication and division facts, thus boosting children's confidence and fluency. The programme adapts to each child's unique learning needs and teachers are able to track their individual progress. This video provides additional

information:

<https://youtu.be/1VqPOdfSquE>



Maths Flex



Maths Flex is an intelligent online maths practice service for children in KS2 that personalises learning to the individual child by constantly adapting activities to the pupil's own strengths and areas for development. Produced by Pearson, the creators of Power Maths, the characters used and the way the learning is presented are similar to maths lessons in school, providing consistency for the children.

As with Power Maths, Maths Flex follows the mastery approach to maths learning by deepening children's understanding whilst keeping it within their year group's curriculum. Teachers can track the learning completed and progress made by children, helping to plan future maths learning in school. The following link takes you to a video providing a more detailed overview of Maths Flex:

<https://youtu.be/cj6162dWv68>