



Resources to support home learning in Maths

This document is a suggestion of ideas that you may find helpful in supporting your child/ren. It is not exhaustive and is not essential. If you have a resource you've found to be helpful, please inform your class teacher and we can add it to the list.

If you have any questions, please ask us, in person or by email to the school office.

Thank you

Manipulatives (manipulatives are relevant at all ages and stages.)

An analogue clock (count in 5s, saying and noticing o'clock times, halves and quarters etc)

Egg box (10) to make an at home tens frame (useful for number bonds to 10 practice)

building bricks could be used to model simple addition and multiplication,

toys used to make comparisons of size or quantity

Measuring items, scales,

construction materials,

Puzzles (when they get 'too big' for the pictures make it a challenge and ask them to match the shapes from the reverse side).

sorting and pattern materials are also great sources for discussion!

Counters (plastic or made from card - even dry pasta)

A calculator - because the answer is never really that important but the working out, so give them the answer and it might help them find the path to it.

Thermometer - good for negative numbers

Number stacks (there is a cost for the initial pack and then a subscription fee for online resources - discounted as the school subscribe already)

Online

TimestablesRockstars (via school login) <https://play.ttrockstars.com/>

For games - Top marks <https://www.topmarks.co.uk/maths-games/>

For problem solving - Nrich <https://nrich.maths.org/14600>

For online tutoring - IXL <https://uk.ixl.com/math/> (there is a cost per month but we have had positive feedback about it being worth the money, although I would recommend a conversation with the class teacher first to set a time limit for measuring progress for your child).

Apps

We have focused mainly on free apps - most apps have a paid version too.

'Maths games for maths genius' - lots of number fact practice

'Times tables quiz'

'Hit the button' - an app of the game from the Top Marks website

DK 10 minute a day times tables

'Number bonds'

'Maths facts'

'Place value cards'

'Number bond cards'

'Thinking block' (ipad only)

'Visual word problems'

'Xyla and Yabu'

'Practice maths with robin and dob'

Other

- Board games, particularly ones with linear, numbered, equal-sized spaces can be useful for the development of early number skills. Most families will have 'Snakes and Ladders' or something similar; if not, this is a great opportunity to make your own!
- Incorporate mathematics into everyday routines and activities: tidying up and meal times in particular provide opportunities for conversations about counting, comparing, time, and sharing.
- Snack times and meals are a great opportunity to learn mathematics, such as counting, estimating and comparing. For example, with young children, you could count and match items in a 'Teddy Bears' Picnic.' You can compare quantities such as more or less or quantify food items (making sure to link the last number counted to the number of items in the set) or discuss the capacity of different cups or jugs. A parent or puppet can make deliberate errors in counting and sharing, with the child encouraged to identify these mistakes.
- Use mathematical vocabulary where possible as part of conversations and play: for example, when making comparisons (which is bigger? which teddy is first in line? who has more? are they shared fairly?). Opportunities can also be taken for 'shape-spotting' and sorting around the home.
- Finding the mathematics in story books. www.mathsthroughstories.org contains explicit links to mathematics in stories, but you can also consider opportunities in more common story books for mathematical discussion.
- Posters (either bought or homemade) displaying key number facts or vocabulary can really help reinforce knowledge. We recommend posters on the back of the toilet door, on a wall near their bed or dining room wall - to be most effective change the location regularly.