

Mathematics Newsletter Edition 1

Honesty

Friendship

Kindness

Love

Perseverance

Respect

'Grow and Learn together with God by our side'

Welcome to the first edition of our mathematics newsletter.

At Christ Church, we aim for our children to not only develop the mathematical skills and understanding required for later life, but also to foster an enthusiasm and fascination about mathematics itself.

Each half term the children will take part in at least one real life mathematical investigation or experience. Nursery have already set to work on this baking a batch of delicious cupcakes! The children worked with staff to measure and weigh the necessary ingredients and thoroughly enjoyed incorporating their maths skills into their learning and play.



I know the staff across the school have lots of exciting first hand experiences planned during the academic year to help bring our mathematics curriculum to life.

Lesson Structure

A new mathematics lesson structure has been introduced across Key Stage 1 (Year 1 and 2).

Every lesson now begins with a 'Flashback Four'.

The flashback four aims to continually build on previous knowledge to ensure that learning is not forgotten over time.



Children will then move on to complete their daily **arithmetic** - A short burst of questions focussing on the 4 operations and year group KIRFS (Key instant recall facts)



Following this, staff will share the **WALT** with the children identifying key vocabulary and relevant prior learning.



Once completed staff will move on to **teach** the new learning, modelling key skills and methods. Within this section, children will be provided with opportunities to use mathematical talk and to ask and answer questions before moving on to work independently applying their knowledge.



Children will then apply their learning completing a range of fluency, reasoning and problem solving questions.

At the end of each session, children will be provided with time to reflect on their learning ☺

MathShed

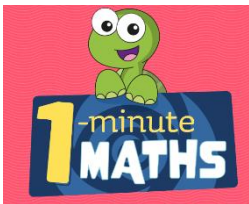
Please be aware all children in **Year 1 and Year 2** have access to MathShed. Children should use the app/online games to practise their key maths skills e.g. number bonds and times tables.

Your child's log in details can be found in the front of their yellow home/school reading log. Please note, the same log in details should be used to access Spelling Shed.



White Rose 1-Minute Maths

The White Rose 1-Minute Maths App is a great resource to support children at home and is available to download for free.



Check out these 7 top reasons for using 1-minute maths!

1. Excellent practice - and no distractions.
2. A clear, intuitive process that children pick up straight away.
3. No login or internet access needed. Just download and play.
4. Enjoyable and motivating... How many can they get correct in one minute?
5. Helpful hints match those used in class.
6. Brilliant for building number fluency and confidence.
7. It's **FREE!**

Maths at Christ Church

Across the Early Years Foundation Stage and Key Stage 1, staff use the CPA approach (Concrete, Pictorial, Abstract):

Concrete is the 'doing' stage, using concrete objects to solve problems.

Pictorial is the 'seeing' stage, using representations of the objects involved in mathematical problems.

Abstract is the 'symbolic' stage, where children are able to use abstract symbols to model and solve mathematical problems.

This allows children to build on their prior knowledge, introducing abstract concepts in a concrete and tangible way. Please see our calculation policy available on the school website for further information:

https://www.christchurchfederation.co.uk/files/ugd/e5b70e_b5a74d2756ec4e54af420b0b20b6d7ac.pdf

Maths in the Early Years - Nursery and Reception

Within Nursery and Reception children learn within a maths rich environment. Children are provided with first hand mathematical experiences within the indoor and outdoor environments. The children learn through a range of experiences including whole class directed teaching, small group activities and challenges within the provision. Children are encouraged to explore mathematical concepts through their play. Adults work alongside the children to question and extend their thinking modelling mathematical vocabulary and strategies.

How can you support at home?

Have fun playing whilst introducing mathematical language and ideas:

- Doing the washing - match the socks and then count. Sort the socks by colour or size.
- Look/hunt for numbers and shapes whilst out and about in the local environment.
- Count the stairs as you walk up/down
- Ask the children to say how many without counting (using numbers up to 5)
- Play games - snakes and ladders, bingo with numbers or shapes, hop scotch or skittles.
- Watch Numberblocks on CBeebies. This programme is written by specialists to model mathematical concepts and represents number brilliantly. Also, Numberjacks is excellent for solving problems.
- Read books with mathematical concepts e.g. The Hungry Caterpillar and What's the time Mr Wolf?
- Sing counting songs - Five current buns, Ten green bottles, Five little ducks etc.
- Check out websites such as:

www.bbc.co.uk/cbeebies/topics/numeracy

www.ictgames.com

<https://www.bbc.co.uk/teach/school-radio/nursery-rhymes-counting-songs/zn67kmn>

<https://www.topmarks.co.uk/Search.aspx?Subject=16&AgeGroup=1>

