



Hogwarts Class - Mrs Hughes

Cherry Tree Lane Class - Miss Mathews & Mrs Francis

Tuesday, 17 September 2019

Dear parents, guardians, carers and families,

Welcome to Year 6!

We are thrilled to embark upon this new school year with your children. We have lots of exciting learning planned and look forward to working with your children through their final year at primary school.

This term, the learning across the school will have a theme of "Long, Long Ago". In year 6, our focus will be on The Maya Civilisation, which will include a visit from a real life archaeologist!

Home Learning

We have included the Termly topic homework grid. Children should complete 6 activities over the whole term. At the end of the term children who have completed 6 activities will be awarded a certificate.

On top of this, there will be weekly spelling, English and maths tasks which we will send home on a Friday to be returned the following Wednesday.

This year, we are also sending home Key Instant Recall Facts (**KIRFs**) for each term. These are important number facts that the children need to know for their maths work in Year 6. Children will be tested on their number fact recall in weekly fluency tests which will be sent home once completed.

P.E.

P.E. will be on a Monday afternoon, please ensure that your child has the correct P.E. kit in school: black shorts/ jogging bottoms, a white T-shirt and trainers.

If you have any questions or concerns about your child's learning, please do not hesitate to contact us.

Warmest regards,

Miss Mathews, Mrs Hughes, Mrs Francis, Mrs Banovic, Mrs Sear and Dr Bardar

Long long ago: The Maya

Please complete 6 activities from the grid and bring them into school at any point during the term.

Internet Research

Do some research about games that would have been played by the Maya. You can find some information here:
<https://www.bbc.com/bitesize/subjects/zcw76sg>
Have a go at playing one of the games and tell us about it at school.

RE

How do Muslims show commitment to God? Research and create a presentation about one of the 5 pillars of Islam. You could create a poster or presentation on Purple Mash (2Publish)

Learning Behaviours

Think about all the qualities you need to be a good learner.
Make a poster to show the qualities and to help others know how to help themselves.

Art

Maya weaving: find out some information about how the Maya used weaving. Experiment with different types of weaving. Create a small piece of woven fabric using your new skills.

50 things to do before secondary school

Create some wild art. Find some leaves, twigs and petals; create a picture and bring it in or take a photo to share with the class.

Music

Find some Maya music on the Internet. Listen to it and think about what it makes you feel or imagine. Draw or paint a picture inspired by the music.

The Maya

Find out about Maya masks. What did they look like? What were they used for? When were they worn?
Create your own Maya mask. You may use whichever medium you like but you must be able to wear it.

Science

Make a periscope. You will need to create the periscope and a short explanation about how it works.



Key Instant Recall Facts

Year 6 - Autumn 1

I know all the factor pairs for numbers to 100.

Children should now know all multiplication and division facts up to 12×12 . When given a product in one of these times tables, they should be able to state the factor pairs which multiply to make this number: the aim is for instant recall. Below are some examples:

$$24 = 24 \times 1$$

$$24 = 12 \times 2$$

$$24 = 8 \times 3$$

$$24 = 6 \times 4$$

The factors of 24 are:

1, 2, 3, 4, 6, 8, 12, 24

$$17 = 17 \times 1$$

The factors of 17 are:

1, 17

$$84 = 84 \times 1$$

$$84 = 42 \times 2$$

$$84 = 28 \times 3$$

$$84 = 21 \times 4$$

$$84 = 14 \times 6$$

$$84 = 12 \times 7$$

The factors of 84 are:

1, 2, 3, 4, 6, 7, 12, 14, 21, 28, 42

Factors are the whole numbers (integers) you multiply together to give a product.

Useful Questions

Can you find a **factor pair** for 28?

Find two numbers whose **product** is 20.

Is 6 a **factor** of 72? How do you know?

Find all the **factors** of 15

What **multiple** would you get from **multiplying** 5 and 6?

Top Tips:

The secret to success is to practise little and often - could you practise on the way to school or during a car journey?

You don't need to practise them all at once - perhaps have product of the day.

Make it fun!

- Think of the question - One player thinks of a factor pair to multiply (e.g. 4×12) and states the answer. The other player guesses the original factor pair.
- Timed Games: How well are you doing? How many questions can you answer in 2 minutes? Can you beat your own record?
- <http://www.conkermaths.org/cmweb.nsf/products/conkerkirfs.html> Choose factors game
- <http://www.snappymaths.com/multdiv/multfact/interactive/factorsint/factorsint.htm>
- <http://www.hoodamath.com/games/factorfeeder.html>
- <http://www.math-play.com/Factors-Millionaire/Factors-Millionaire.html>

Deepen and apply

- <https://nrich.maths.org/5468> Factors and multiples problem
- Captain Conjecture says, 'Factors come in pairs, so all numbers have an even number of factors.' Do you agree? Explain your reasoning.
- <http://nrich.maths.org/84> Sweets in a box investigation
- A number has exactly eight factors, two of which are 21 and 35. What is the number?
- <http://nrich.maths.org/1011> Abundant Numbers investigation
- <http://nrich.maths.org/7468> Factor track investigation