

Maths

This term in maths, we will be learning about fractions. Including comparing, ordering, adding, subtracting and even multiplying fractions by whole numbers!

Within our lessons, we will need to understand how to convert fractions. To do this, we will find a common denominator, then whatever we have multiplied the original denominator by, we will multiply the numerator by. This will result in an equivalent fraction.

$$\frac{1}{2} \xrightarrow{\times 2} \frac{2}{4} \xrightarrow{\times 2} \frac{4}{8} \xrightarrow{\times 2} \frac{8}{16}$$

Why not get ahead and practice your fraction skills by scanning the QR code and playing some games?



To add or subtract fractions with different denominators, you should first find the smallest common denominator. The fractions need to be rewritten with this new denominator and then the addition or subtraction can be completed. See the example below:

$$\frac{1}{3} + \frac{3}{6} =$$

$$\frac{2}{6} + \frac{3}{6} = \frac{5}{6}$$

$$\frac{1}{2} - \frac{1}{5} =$$

$$\frac{5}{10} - \frac{2}{10} = \frac{3}{10}$$



Year 5 Knowledge Map

Key information

Our weekly PE sessions for Crick and Spencer will be on Monday and Tuesday. Tull will be on Monday and Wednesday. Monday will be indoors and Tuesday / Wednesday will be outdoors.

Key dates

Tuesday 20th January — Trip to the National Space Centre

Monday 26th January — Young Voices

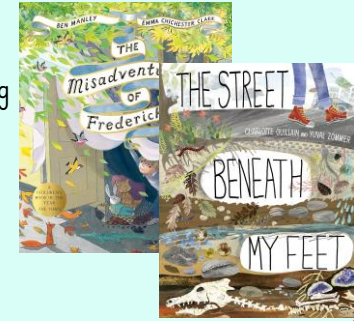
Tuesday 10th February — Safer Internet Day

Thursday 12th February — Last day of term.

Friday 13th February - Teacher Training Day

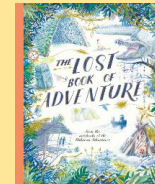
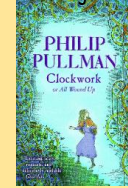
Writing

In our writing sessions this half-term we will focus on the books to the right. We will be learning about persuasive letters as well as revisiting non-chronological reports. We will be learning about modal verbs, relative clauses and parenthesis as well as letter writing features!



Reading

These are just some of the books we will be reading this half-term.



Spelling

During this half-term we will focus on a different spelling rule and a different set of words every week. We will be looking at words which contain ie or ei and learning how to apply the spelling rule.



Homework



In Year 5 children are set the following homework weekly:

- Maths or reading comprehension activity
- Spelling Shed and TTRS 1 x weekly at least
- Reading 3 x weekly

Science

In science we are going to be learning about Earth and Space, including the planets in our Solar System, why our view of the moon changes and how seasons occur. Below is some of the vocabulary that we will cover.

☰ Tier 3 subject specific	
orbit	a curved path followed by a planet/object as it moves around another planet, star, moon etc.
axis	an imaginary line through the centre of an object, around which the object turns
crescent	a curved shape that is wide in the middle and pointed at each end
gravitational	connected with or caused by the force of gravity
waxing	seem to get gradually bigger until its full form is seen
waning	appear slightly smaller each day after being round and full

Scan the QR code to find out about the different moon phases. Keep an eye on the Moon this month and see if you can spot all eight phases.



Scan the QR code to explore the NASA website by watching videos and playing games! Can you tell your class a fact that you have learnt?

DT

In DT we will be working on our sewing skills to create a cotton bag. We will be practicing a range of stitches and deciding on the best one to use when making our bags.



Scan the QR codes below to learn about and practise the different types of stitches.

Running stitch



SCAN ME

Back stitch



SCAN ME

Blanket stitch



SCAN ME

Computing

In computing we will work on our search engine skills to make sure that we can use the internet to find information efficiently and safely. We will also learn about different systems and how they can improve our daily lives, including traffic light systems as well as payment systems.

Scan the QR code to access a great child-friendly search engine that we will be using.



SCAN ME



Scan the QR code to learn about how we use computers in our everyday lives.

French

In French, we will be learning about how to shop in France! We will be focusing on French money, food names and using vocabulary to describe food.



Music

In music we will be continuing our learning about the blues. We will learn to play the 12 bar blues introduction and even the blues scale on our glockenspiels.

Scan the QR code to listen to the Moanin' Lisa Blues.



PSHE

In PSHE we will think carefully about our dreams and goals.

What are my aspirations?
How can I achieve my goals?
What are the emotions that go with this?



RE

In RE, we will be focusing on Islam for this half-term. We will be learning about the best ways for a Muslim to lead a good life, including prayer, Ramadan and helping the poor.

