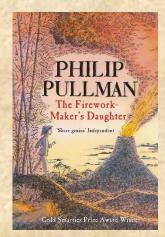
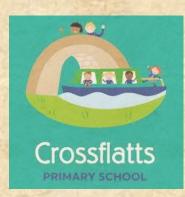
YEAR 4 PROJECT



The Firework

Maker's





Jear Year 4,

We hope you all had a restful Spring Bank Holiday and enjoyed the sunshine!

Jhe project for this half term is based around the book, Jhe Firework Maker's Daughter. We had planned to work on this book during the final summer term.

We have aimed to cover a range of subject areas and hope that there is something for everyone to enjoy.

Jhis project should run alongside the CGP books you already have, and your White Rose Maths resources which are available on the school website. We will also continue to set additional writing tasks, arithmetic and other whole school challenges for you.

Jhe story of Jhe Firework Maker's Jaughter is fantastic, so we look forward to you enjoying it and sharing your work! We love seeing what you have done, so please make sure you keep sending your learning to us. You can do this on Class Jojo or via e-mail.

Jhanks again

Year 4 Jeam x

Jask One Design & Technology

In the first chapter, we are introduced to Lila.

Lila's father is a firework maker. He makes; Crackle-Dragons, Leaping Monkeys, Golden Sneezes and Java Lights.

From an early age, Lila has been creating fireworks too. She makes Tumbling Demons and Shimmering Coins!

What would you make?

Design your own firework.

Each New Year's Eve, Sydney, in Australia, host a HUGE Firework Display. This video might inspire you when you are designing your firework. <u>https://www.youtube.com/watch?v=eIEB9vdpgpQ</u> WOJJW

Include;

- Name explain your choice
- Colours
- Special Effects

There are many different types of firework;

And they all have different effects;







Now you know what you want the BIG BANG to look like, what about the packaging? Design and make your packaging using whatever materials you have available.

Jask Jwo <u>Art</u>

Now that you know what your firework will look like, can you create the explosion as a piece of art? You could do this with paint, chalk, pens, or even digitally.

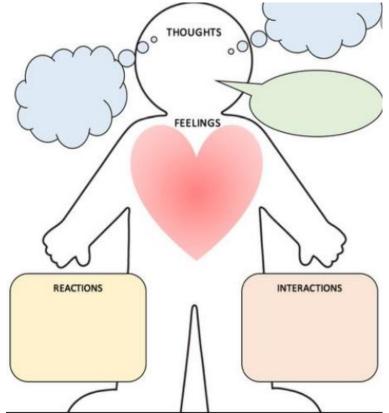
There are some ideas below;



Jask Jhree <u>English</u>

Lila's adventure is well underway.

We have learned quite a lot about her so far, create a role on the wall of all that you know about Lila.



Use this to create a character description of Lila, complete with illustration. Here are some extracts from the text which may help you;

'Your hair's a mess, your fingers are burned and stained with chemicals, your eyebrows are scorched...'

'I'll set up as a Firework-Maker on my own and put my father out of business.' 'But she had chosen to make the journey, and she could hardly turn back when she'd barely begun.'

Challenge

Repeat this activity for Chulak.

Can you identify any vocabulary in your character description which you could improve?

Jask Four <u>Geography</u>

The Firework Maker's Daughter takes place in China, a long time ago.

Find out the following about China:

- Location on a map
- Famous Landmarks
- Food
- Longest River
- Tallest Mountain
- Population
- Wildlife
- Anything else you think is interesting!

Present your learning any way you choose!





Jask Six

<u>English</u> Before she left, fila wrote a letter to her father. Jhis is what it said;

Dear Father, I have completed my apprenticeship. Thank you for all you have taught me. I am going to seek the Royal Sulphur from Razvani, the Fire-Fiend, and I shall probably not see you again. Your ex-daughter, Lila

fila faces many perils on her journey and experiences lots of new things.

How might she write to her father now?

Write to Lalchand as if you are Lila.

Try to include the following;

- Paragraphs
- Fronted adverbials, including commas
- Conjunctions, including; however, although, despite
- Descriptive phrases to illustrate Lila's perspective

Challenge Write back to Lila, as if you are Lalchand

Jask Seven <u>Science</u>

Lalchland and Lila's fireworks are very loud! You have no doubt heard fireworks yourself, maybe on Bonfire Night, or at a celebration.

But, how does sound work?

https://www.bbc.co.uk/bitesize/topics/zgffr82/articles/zstr2nb#z84xb82

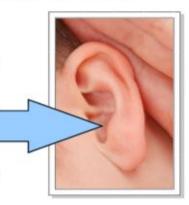
How sound is made

Sound is caused by vibration. Vibration means wobbling very quickly back and forth. When you pluck a guitar string, or hit a drumskin, you can see the material vibrate. This causes the **air** touching the string to vibrate, which causes air further away to vibrate, which causes the air near your **ear** to



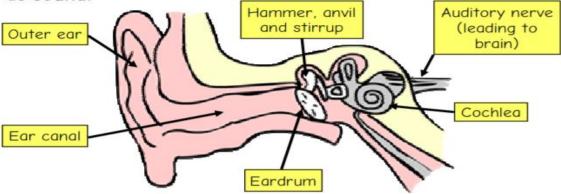
vibrate, which your brain experiences as **sound**. The moving vibration is called a **sound wave**.

The vibrating **guitar** causes the **air** to vibrate. This vibrating air is called a **sound wave**. When the air near your **ears** vibrates, your brain experiences a **sound**.

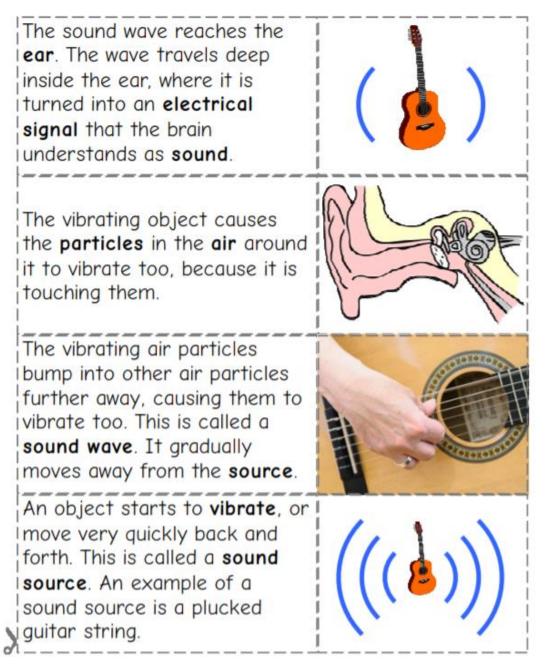


How our ears work

When a sound wave reaches our ear, our **outer ear** (the part that we can see on the side of our heads) funnels the sound into our heads down the **ear canal**. At the end of the ear canal is the **eardrum**, which is waterproof and airtight. Past the ear canal is the **middle ear**. Inside the middle ear are the **hammer**, **anvil** and **stirrup** (the three smallest bones in the body) which vibrate and pass the sound waves to the **inner ear**, which contains the **cochlea**, which turns the vibrations into **electrical signals**. These signals travel down the **auditory nerve** to the **brain**, which experiences the signal as **sound**.



Cut the explanations and match them to the correct picture.



Take a look at these videos below and have a go at the cool sound investigations yourself!

https://www.youtube.com/watch?v=BoeDI-YkzIO https://www.youtube.com/watch?v=722hZLp5KaM

Jask <u>f</u>ight

Art & Design

<u>English</u>

At the Full Moon Ceremony, the trees were decorated with hanging lanterns.

Follow the pictorial instructions below to create your own beautiful lanterns...



Decorate these however you like, you can add pictures, writing or stick on embellishments!

Now, create your own instructions for making a lantern like this. You could write them, make a poster, use images or even make a tutorial video!

Jask Nine

<u>Art</u>

As well as lanterns, at the Full Moon Ceremony, were blossoms scattered all over the water.

In China and Japan, there are often cherry blossom festivals, and cherry blossom is often depicted in art work.

There is a beautiful video of Blossoms blooming in China here; https://www.youtube.com/watch?v=5we0ce09fVs



There are lots of examples of methods for creating this beautiful art work. Choose a method you like, or find your own and create a Chinese Blossom painting!

