

**English - linked to our class book**  
*Cogheart*  
By Peter Bunzl.

**Newspaper Report**  
*The Dragonfly has disappeared!*

Write a newspaper report using the above headline. Remember to include key features. Why not add a quote from an eye witness?

**What in your kitchen is soluble? Investigate**

Soluble materials dissolve when mixed with water. Investigate which everyday products are soluble. E.g. crushed biscuit, flour, baking powder, coffee, salt, sugar, cooking oil, cereal e.g. Ready Brek. Fill a glass with tap water. Add some of your item and stir for 1 min. Inspect, then leave for 5 mins to see if any sediment settles on the bottom. Record your findings in a table, and draw conclusions. How can you make your test fair?

**Science;**

States of matter; solids, liquids and gases.

**The Mechanical**

Create a description of your own mechanical. What form would it take? Would it have any special powers?

**Be the author – Walk in my mechanical shoes.**

Write your own story, diary or recount about being a mechanical servant in a Victorian boarding school. How would the children treat you?

Try this experiment.

With permission from an adult at home, fill a plate with some water and mix in some salt. Leave the plate in a sunny area of your garden or above a radiator. Keep checking on your plate and write down your observations in your home learning book. Try the same experiment with sugar instead of water. Are the results the same? Are there any differences?

**Author; Peter Bunzl**

Find out 10 facts about the author. Can you also create a list of the books he wrote? If you were him – what would your next book be about?

**Activity 1**  
**How many trips?**

Have you been in a lift recently? How many people could you fit in a lift? If 5 children from our class could fit in a lift how many trips would it take? In order to mine, coal the miners had to go up and down a lift. Look at the information on **Activity Sheet 1** and complete the task.

**Maths**

**Coal Mining Maths!**

All the following trips are based on Coal Mining – you can access the worksheets and more details on Google Classroom!

**Activity 2**  
**How many trips carrying coal?**

Coal was carried in drams – and also transported by lift. Read the information and work out the answers!

**Challenge!**

**Activity Sheet 3** – you need the use the information from the first two activities.

**Activity 4**  
**Thirsty Work!** – lots of tea was drunk by the miners! Now calculate how many!

**Year 6**  
**Family Learning Grid – Autumn 2**

**Geography**  
**Firedamp and Davy lamps – Industrialisation**

**Victorian Railway**

The Hungerford to Newbury railway link was opened in 1847. The lives of local people were transformed! How do you think their lives were changed – list these changes in a before and after grid.

**Canals**

Canals were built as a transportation. Draw a sketch or painting of your local canal. Think about how it differs from a river and draw a comparison sketch.

**The Canals**

Research the Kennet and Avon Canal and write a fact file. Now you are an expert, take your family for a walk and tell them all about it!

**Map Work**

Using the UK map on google classroom – choose one of the major industrial cities and write a fact file about how it has developed over time.

**Construction**

The Victorian era was a time of great engineering. Using either Lego, K-Nex or junk modelling create a Victorian building.

**Art - Get Creative!**



**Victorian Art.**

Charles Rennie Mackintosh  
Create a piece of art in the style of this Scottish artist.