

Thursday 7th January – Guided Reading

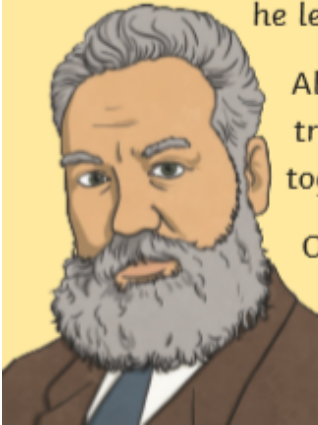
Victorian Inventors

Name: Alexander Graham Bell

Most Famous Invention: Telephone

Alexander Graham Bell was born in Scotland in 1847.

When he was young, Alexander always wanted to know more about the world around him. He tried to solve problems by inventing new things. When he was 12 years old, Alexander invented a machine to help the local mill owner. The owner of the mill was so happy that he let Alexander have a small workshop to work on his inventions in.



Alexander enjoyed experimenting with the different ways that sound can travel. In 1875, Alexander and a man called Thomas Watson worked together to invent what is now called the telephone.

On 9th October 1876, Alexander and Thomas talked to each other on the telephone for the first time. They were over two miles away from each other. Alexander started his own telephone company in 1877 and the telephone became famous around the world.

Key Words:

Mill – a building used for grinding flour.

Invent – to create or design something.

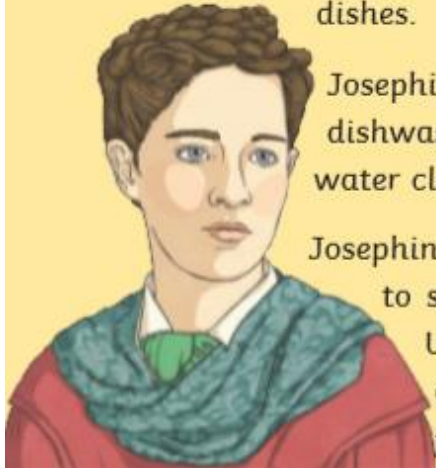
Experiment – a scientific procedure to make a discovery or test an idea.

Name: Josephine Garis Cochrane

Most Famous Invention: Dishwasher

Josephine Garis Cochrane was born in Ohio, USA, on 8th March 1839. She was the daughter of John Garis, an engineer, and Irene Fitch Garis.

Josephine and her husband, William, loved inviting their friends round to their house for dinner. Josephine's expensive dishes were chipped whilst being washed after one of her dinner parties. This made Josephine want to think of a safer way to wash her valuable dishes.



Josephine worked in her tool shed and she invented a hand-powered dishwasher. The dishes were held in a rack whilst a hose of hot, soapy water cleaned them.

Josephine began to win prizes for her invention in 1893. She started to sell her dishwashers to hotels and restaurants across Illinois, USA. Soon, so many people wanted a dishwasher that Josephine opened her own factory in 1897. The dishwasher became famous across the globe.

Key Words:

Engineer – a person who designs, builds, or maintains machines and structure.

Valuable – worth a great deal of money.

Hose – flexible tube full of water.

Globe – the Earth.

Answer the questions on a piece of paper and upload to Class Dojo for your teacher:

- 1) In which year was Alexander Graham Bell born?
- 2) What was the name of Josephine Cochrane's father?
- 3) In which year did Josephine Cochrane open her own factory?
- 4) Order the events below to show the correct order they happened in Alexander Graham Bell's life.

The first has been done for you:

- 1) He was born in Scotland.
 - Alexander and Thomas talked to each other on the telephone.
 - He invented a machine to help a mill owner.
 - Alexander started his own telephone company.
 - He started working with Thomas Watson.

- 5) What did Josephine Cochrane's grandfather invent?

Challenge:

Which of these inventions do you think is the most useful? Explain why.