

# Scottish Inventors and Inventions

**Young Inventor Isla** has come to the museum to find some Scottish inventions.

Join Isla on her adventure round the museum to discover some of these inventions and how they have helped shape our lives and the world around us today.



Without inventors and inventions, we might still be sending telegrams, suffering in pain or using pigeon post.

## Let's go to *Communicate*, Level 3



### Give me a Bell

Edinburgh born **Alexander Graham Bell** is famous for inventing the telephone. The first telephone communication was made on Friday 10 March 1876 and he shouted into the mouthpiece "*Mr Watson – come here – I want to see you*".

**Look around the gallery** and help Isla find a telephone –

- with a dial
- with a cable
- made with wood
- with a cartoon character
- in a box
- with a keyboard
- made for a car

What is the **biggest** telephone you can find?

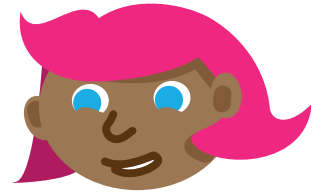
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What is the **smallest** telephone you can find?

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**Draw** your favourite telephone here.

## Our second step is *Technology by Design*, Level 3



### What's on the box?

Help Isla find an early model of a television.

**Think** about televisions we use today. What are **two** similarities and **two** differences between these televisions and the one you see in front of you.

In 1926 Scottish inventor John Logie Baird demonstrated the first working television.

#### Similarities

- 1.
- 2.

#### Differences

- 1.
- 2.

## Look out for this award on the wall in *Technology by Design*, Level 3



### Inventions for all

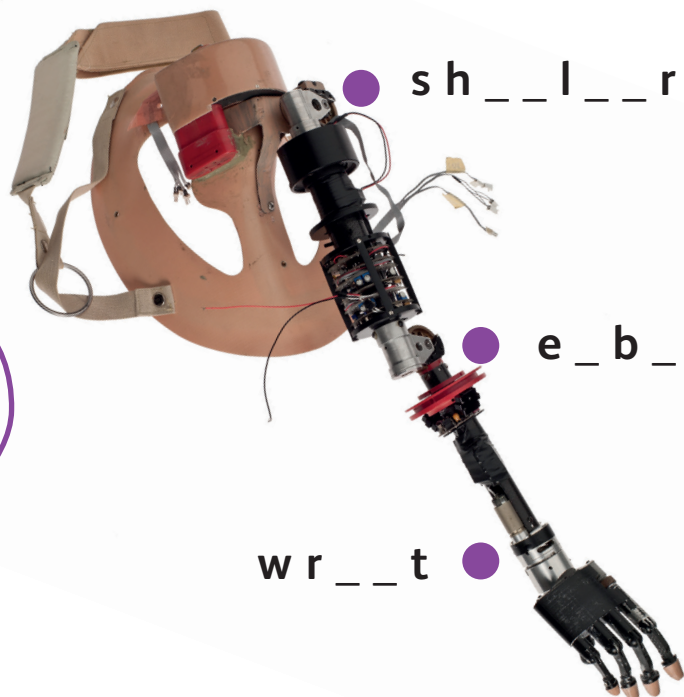
Designed by **David Gow**, it was the first prosthetic arm to have a powered shoulder, elbow, wrist and fingers.

Help Isla fill in the missing words below.



Did you know?

The Edinburgh Modular Arm System was also known as the world's first bionic arm.



● s h \_ \_ l \_ \_ r

● e \_ b \_ w

w r \_ \_ t ●

f \_ \_ \_ e r s ●

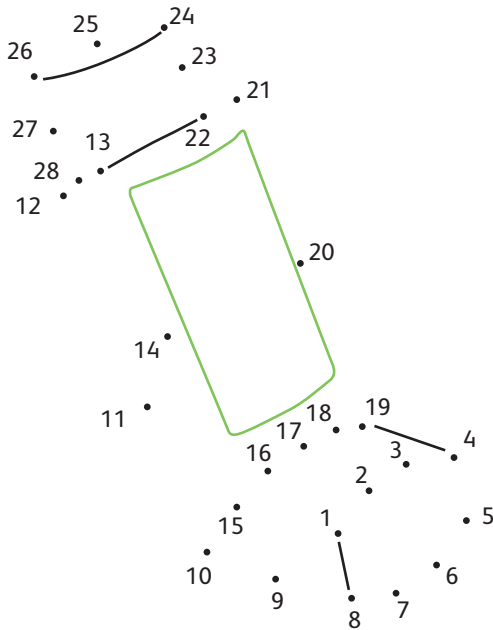


Go up one floor to the *Enquire* gallery, Level 5



## Inventing drugs

Join the dots to see how Scottish chemist Sir David Jack helped to transform the treatment of asthma.



Did you know?

Scottish medical inventions have been recognised as having improved and saved millions of lives across the world.

Draw one of Sir David Jack's awards.

Stay on Level 5 and go to the *Energise* gallery.



## Powerful inventions

Find the Duck that won't quack.

One of the world's firsts, developed by a team at the University of Edinburgh. To find out more about this duck, complete the sentence below using the words in the box to help.

wave

electricity

bobbed

Salter's

\_\_\_\_\_ Duck \_\_\_\_\_ on the surface of the waves and converted \_\_\_\_\_ energy into useable \_\_\_\_\_.

**Try making your own waves.** Experiment making different waves and explore wave power using the wave machine. Why not recreate them in a human line by holding hands with your group?

As you travel round other parts of the museum, look out for other Scottish inventors and inventions. **How many more will you find?**



I hope you've enjoyed coming round the museum with me. Now it's your turn to invent something for a museum of the future. What will you invent? Good luck.

Inventor \_\_\_\_\_

Date \_\_\_\_\_

## At home

Our galleries are always changing and only show a small selection of inventions. Why not research some other inventors and their inventions? Who will you discover?

Put the inventions you've discovered onto a timeline. What is the earliest invention you've found?