

Scottish Inventors and Inventions

Wee Inventor Isla has come tae the museum tae find some Scottish inventions.

Gang along wi Isla on her daunder roond the museum tae discover some o these inventions and the weys they've helped chynge oor lives and the world around us the day.



Without inventors and inventions, we'd still hiv tae be sendin telegrams, pittin up wi pain, or usin doos tae cairry messages.

Let's gang tae *Communicate*, Level 3



Gie's a Bell!

Alexander Graham Bell ifrae Embra is weel-kent for inventin the telephone. The first telephone communication wis made on Friday 10th March 1876, when he shoutit intae the moothpiece "*Mr Watson – come here – I want to see you*".

Hae a deek roond the gallery an help Isla find a telephone –

- wi a dial
- wi a cable
- made oot o widd
- wi a cartoon character
- in a box
- wi a keyboard
- made for a car

Whit's the **maist** muckle telephone ye can find?

Whit's the **maist** wee telephone ye can find?

Draw yer favourite telephone here.

Oor next stap is *Technology by Design*, Level 3



Whit's on the telly?

Gie Isla a haun findin an auld version o a television.

Think about the televisions we've got nooadays. Whit are **twa** things that are the same about the auld televisions and the new yins, and **twa** things that are different?

In 1926 Scottish inventor John Logie Baird gied a demonstration o the first wirkin television.

Things that are the same

- 1.
- 2.

Things that are different

- 1.
- 2.

Get a swatch at this award on the waw in *Technology by Design*, Level 3



Inventions for aw

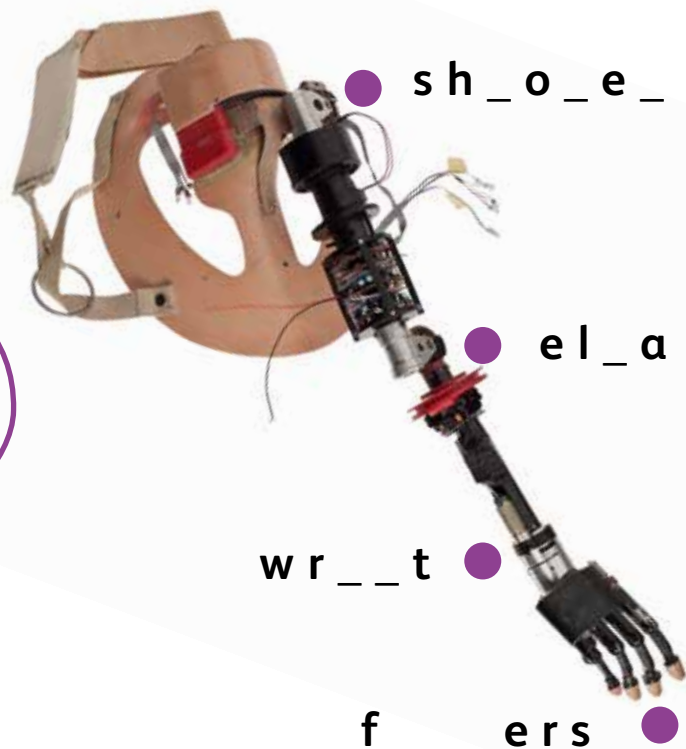
Designed by **David Gow**, it wis the first prosthetic airm tae hae a shooder, elba, wrist and fingers aw wi their ain pouer.

Help Isla fill in the missin wirds at the bottom o the page.



Did ye ken?

The Edinburgh Modular Airm System wis kent as the world's first bionic airm.

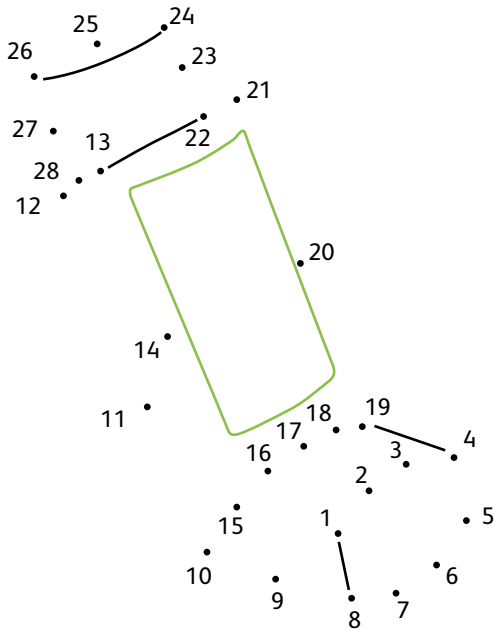


Gang up yin flair tae the *Enquire* gallery, Level 5



Inventin drugs

Jyne up the dots tae see how Scottish chemist Sir David Jack helped tae chynge the wey we treat asthma.



Did ye ken?

Scottish medical inventions hiv been creditit wi improvin and savin the lives o millions o fowk aw over the world.

Draw yin o Sir David Jack's awards.

Steyp on Level 5 and gang tae the *Energise* gallery



Pouerful inventions

Find the Deuk that willnae quack.

Yin o the world's firsts, developed by a team frae Embra University. Tae find oot mair about this deuk, complete this sentence usin the wirds in the box tae help.

wave

electricity

bobbed

Salter's

----- Deuk ----- on tap o the waves and chynge
----- energy intae useable -----.

Hae a shot at makkin yer ain waves. Try makkin different waves and find oot mair aboot wave pouer usin the wave machine. Mebbe ye can dae the same thing in a human line by haudin hauns wi yer group?

As ye dauder roond ithir pairs o the museum, keep yer een open for ithir Scottish inventors and inventions. **How mony mair will ye find?**



I howp ye had a braw time gawin roond the museum wi me. Noo it's yer ain turn tae invent somethin for a museum o the future. Whit will ye invent? Guid luck.

Inventor _____

Date _____

At hame

Oor galleries are aye chyngin and anely show a few o oor inventions at a time. How no research some ither inventors and their inventions? Wha will ye find oot about?

Pit the inventions ye've discovered on a timeline. Whit's the auldest invention ye've fund oot about?