

Magnus Volk
b. 1851, Brighton
d. 1937
Inventor, entrepreneur

"If there is anything new in science or locomotion to be seen, it shall be first in Brighton!"

In the early 20th century, anything electrical was cutting edge technology. I made sure that Sussex's seaside playground kept up with the big world cities.

1883 was a big year for me: I installed electric lighting at the Brighton Pavilion and founded the world's oldest working electric railway along the seafront.



Electrical circuits are made up of components. **Can you find these examples in the exhibition**, then match them with their names and written symbols?

Makes or breaks a circuit. Look for these types:

- lever
- 'knife'
- pull-cord
- push-button
- twist



Creates motion from an energy source.

Find this working exhibit to see a motor in action.



Powers a circuit using stored energy.

What's the clear liquid inside this one?



Joseph Swan created the first one, in the year __ __ __ __, from a carbon filament inside a glass vacuum chamber.

Clue: Go around the corner into the next room!

switch



bulb



battery



motor



Magnus's mindbender

In 1896, I built another railway that travelled along the beach. What could have gone wrong with this idea?



Caroline Haslett

b. 1895, Sussex / d. 1957
Engineer, electrician,
women's champion

*"Imagine sweeping, scrubbing,
polishing and dusting the house
by hand, all day, every day!"*

When I was growing up, women had little time for leisure or learning. I wanted to change that, so I spent my career persuading inventors to use electricity to improve women's lives.

I also encouraged young women to train as engineers themselves, to become independent of their husbands and have a say in the technology of the future!



1922

I asked British women which labour-saving device they'd most like to have in their homes.

**Look around the exhibition.
Which would be your first and second choice and why?**

Do your answers match those from 100 years ago?

Appliance:

Why chosen?

Choice #1

Appliance:

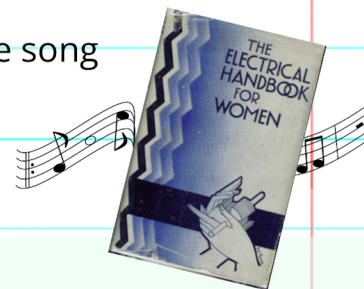
Why chosen?

Choice #2

1934

Electrical power was changing the UK. I published my ground-breaking *Electrical Handbook for Women*. **Can you find it in the shop cabinet?**

Press the button on the shop door and listen: what does the song promise women living in the 1930s?



Plenty of _____

Electricity is so useful in the home because it can be transformed into many different forms of energy.

HEAT

LIGHT

MOVEMENT

Something else...

Can you find an appliance that gives out these forms of energy?

Caroline's conundrum

Answers: 1. Dishwasher; 2. Vacuum cleaner

Did you find any odd ones out? You can research how these work back at school.

