

Quiz

- Who was the first British person in space and how many people did she beat to get that role?
Helen Sharman. 13000 other applicants.
- What was the (rude) name of the valve that Tilly Shilling invented to prevent the Merlin engine from stalling, and which famous plane was powered by the Merlin engine?
Miss Shilling's Orifice. The Spitfire.
- What important discovery is Dorothy Hodgkin famous for, and what prize did she win for her work?
Penicillin. Nobel Prize for Chemistry.
- What was the name of the famous photograph taken to identify DNA for the first time, and who was the female chemist who missed out on the Nobel Prize for this work?
Photograph 51. Rosalind Franklin.
- Who is the only person to have won two Nobel Prizes for different subjects, and what is she famous for discovering?
Marie Curie. Radioactivity.
- What was the nickname for the women who worked in the munitions factories during the First World War, and why?
Canaries. Their skin turned yellow because of the TNT explosive they were exposed to.
- Who was married to Sir Charles Parsons and what current day organisation did she establish in 1919, along with her daughter?
Lady Katharine Parsons. The Women's Engineering Society.
- Who is known as the first Computer Programmer, and who was her famous Father?
Ada Lovelace. Lord Byron.

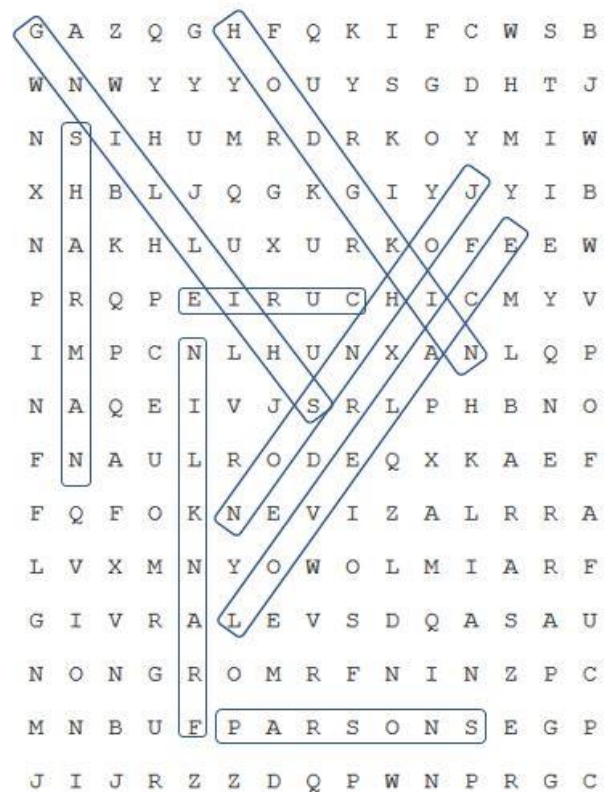
Women's Trail

Activity Sheet

This activity sheet will take you around the Ground Floor of the museum highlighting some of the achievements of women scientists and engineers.

Wordsearch

Hidden in the wordsearch below are some of the women you will find at the museum. Can you spot them?



Parsons Hodgkin Johnson Lovelace
Shilling Sharman Curie Franklin

Take a look at the painting below. How many women can you see working in this munitions factory? **A lot! (More than 35)**



Why did women do this work at the time, and what do you think the conditions were like?

Long hours with hardly any breaks
 Dangerous – explosions and poisoning were main dangers
 Tiring Back breaking work (very hard)
 Noisy Hostility from men
 Repetitive Strict rules



Can you link the people below to their famous achievements? Draw a link between the boxes that should be linked together.

Tilly Shilling		Radioactivity
Helen Sharman		DNA
Marie Curie		Merlin Engine Valve
Dorothy Hodgkin		Penicillin
Rosalind Franklin		Computer Programmer
Amy Johnson		Record holding Air Pilot
Ada Lovelace		Space Travel

What would you like to work on if you become a scientist or engineer in the future?

Circle the things you are interested in.

- Space travel Artificial Intelligence
- Medical Science Health
- New Materials Disaster Relief
- Climate Change Energy Supply
- Environmental Technology Recycling
- Cars Trains Aeroplanes
- Buildings Roads Bridges
- Robots Digital Technology
- Food Farming Water