



# Shining Light Ambassador Science





## ... at Polehampton

We want you to find the joy in science, be curious, excited and ask lots of questions; how and why do things work!? When taking part in experiments we want you to think logically and precisely using lots of scientific vocabulary to explain what amazing things you have discovered and how they could work in real life!



# Kurt Vonnegut (1922-2007)

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“Science is the magic that works!”



# Who is Kurt Vonnegut?

Kurt is an American author who has published a variety of fictional short stories, plays and non-fiction work. He was born into a family of **architects** and wanted to follow in his father's footsteps: he was eventually persuaded to use his love of science to get a degree in **biochemistry** instead. He left midway through his degree to join the **US army** where he used his love of science to train in **mechanical engineering**. In WW2, he was enlisted to join the fight and it was here where he got captured by the Germans during the Battle of Bulge.





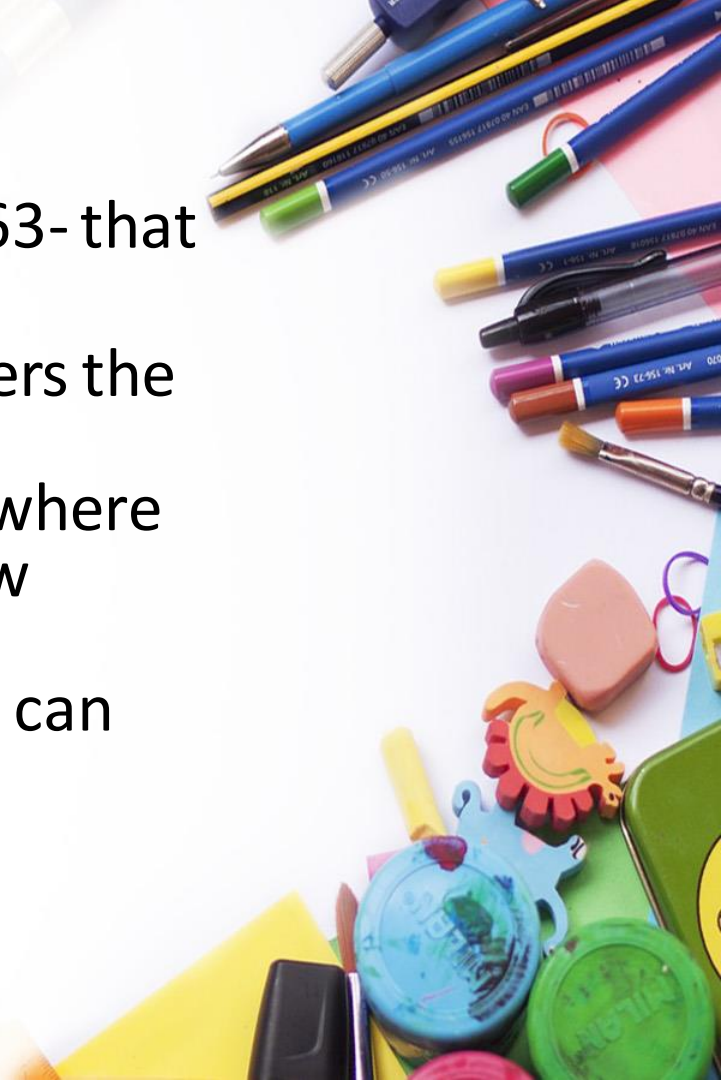
## Shining Moments (achievements)

He survived his capture and went onto publish his first novel in 1952 (when he was 30) but the sales weren't very successful. It took him until his 6th book, in 1969, to become successful when drawing upon his experiences in the war. This book became the New York times best seller and Kurt was invited to make lots of speeches around the country.

"Science is the magic that works!"

Is taken from one of his books- in 1963- that was up for an award.

In this fictional story, a doctor discovers the chemistry of explosions and invents a fictional invention of a 'seed-crystal' where you can freeze something without low temperatures. Kurt believed that science, mixed with human kindness, can create magic.



Let's take a look at science making  
some pretty magical things happen!



# Remarkable Scientists

**Alice Ball**- developed a cure for leprosy ( a skin condition) using oil from a tree.

**Valentina Tereshkova**- the first woman in space whose photographs helped to discover the layers of the atmosphere.

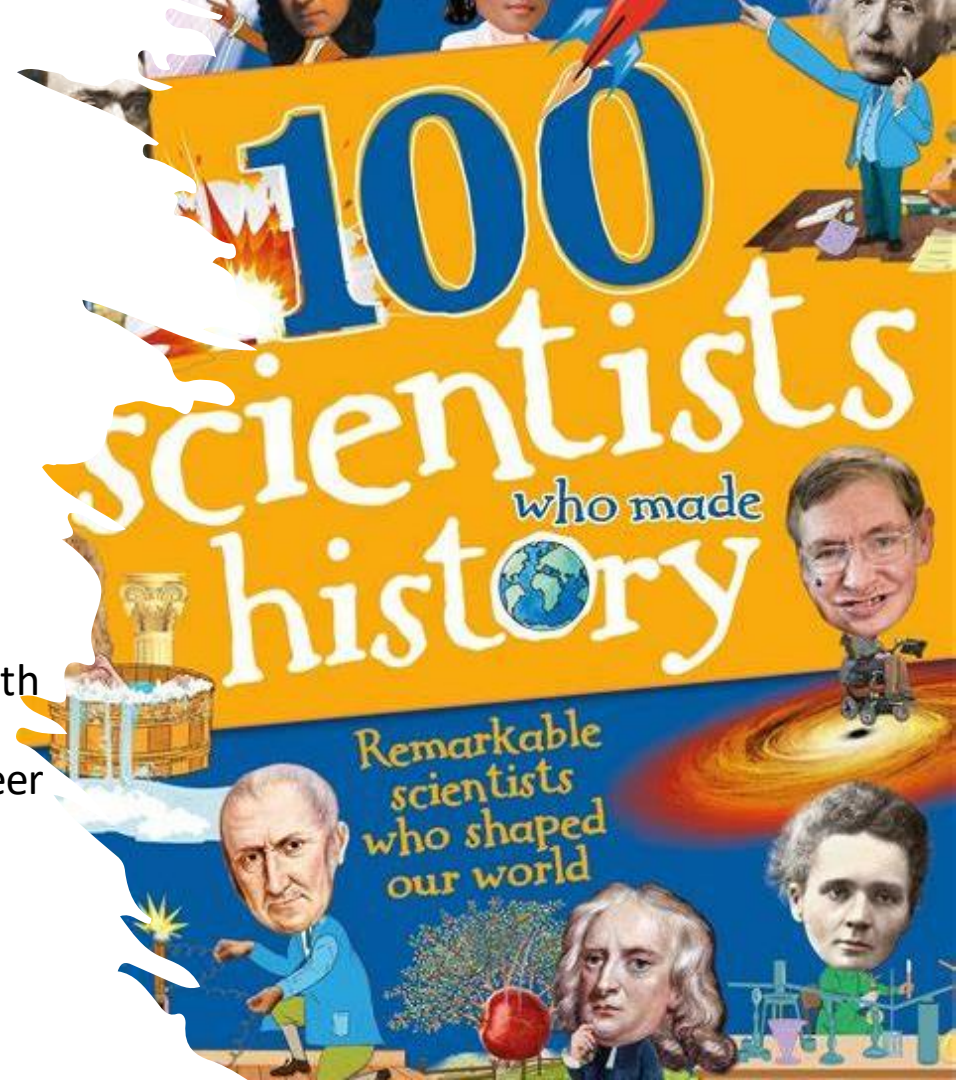
**Rosalind Franklin** - discovered the double helix structure we know as DNA.

**Alan Turing** – developed code breakers to use with the Engima Machine in WW2

**Mary Jackson** – NASA's first black, female engineer to improve air travel.

**Isaac Newton** – discovered the theory of gravity

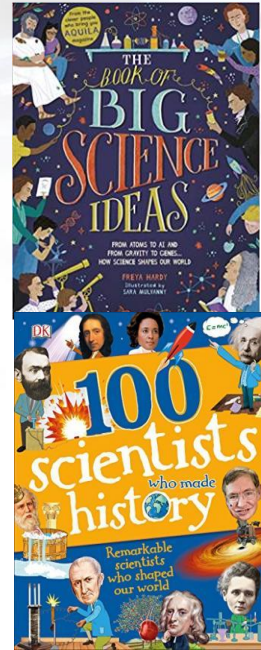
**Marie Curie** – developed the theory of radioactivity to help in cancer treatments





## How you can be inspired at Polehampton

- British Science week 11th – 20th March 2022 + poster competition (more details later!)
- Science section in the library
- Science lessons – knowledge and experiments!





## A Spotlight on Kurt Vonnegut

Even though Kurt didn't end up pursuing science as a career, he used his passions and love of science to create both fictional stories and non-fiction texts

What can you do to help your love of science shine both in school and the world around you?