



# Stephen Hawking

Text Book

# **Stephen Hawking**

## **Text**

Published by Widgit Software

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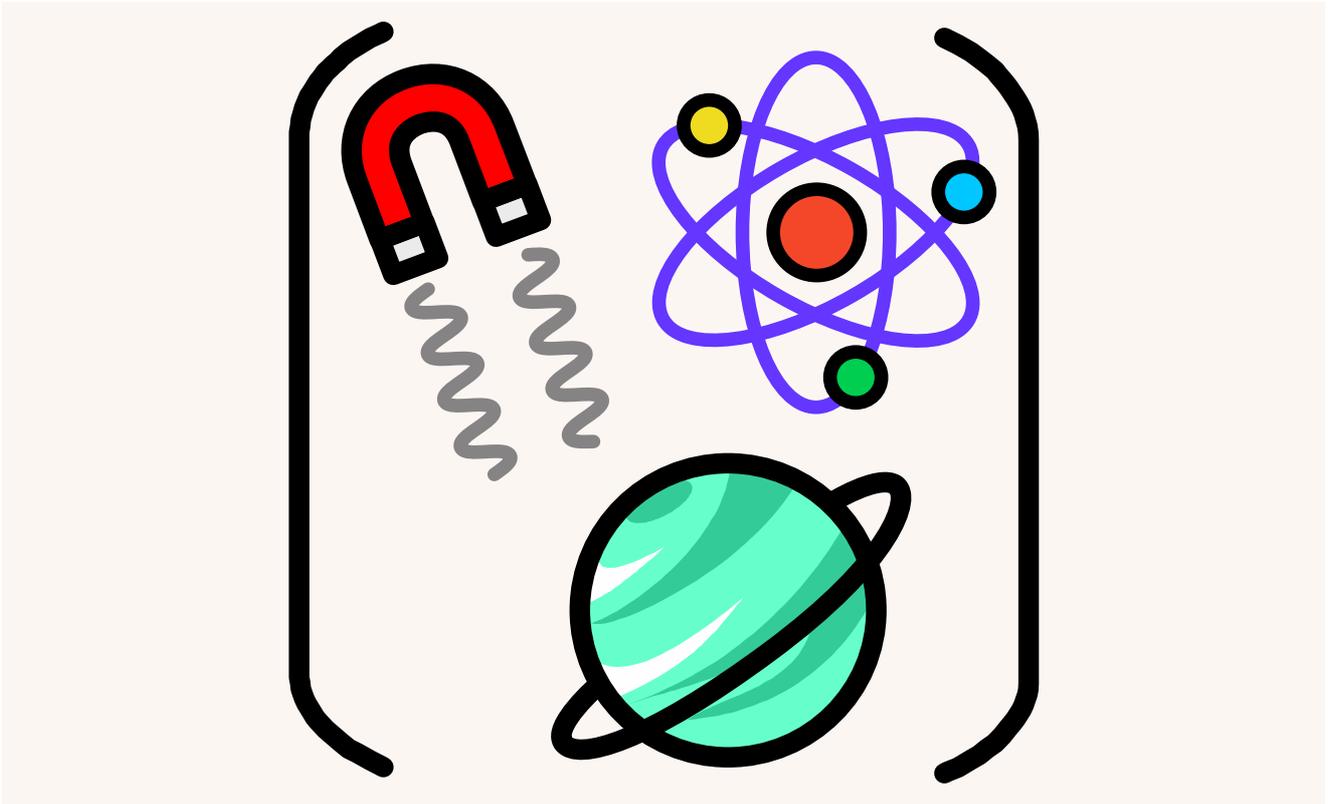


Stephen Hawking was born January 8th 1942.

He was the eldest child of Frank and Isobel.

As a child he enjoyed games and model making.

He built a computer from recycled components.



Stephen was interested in science and mathematics.

Stephen won a scholarship to Oxford University.

Stephen studied physics and chemistry.

He easily gained a first class honours degree.

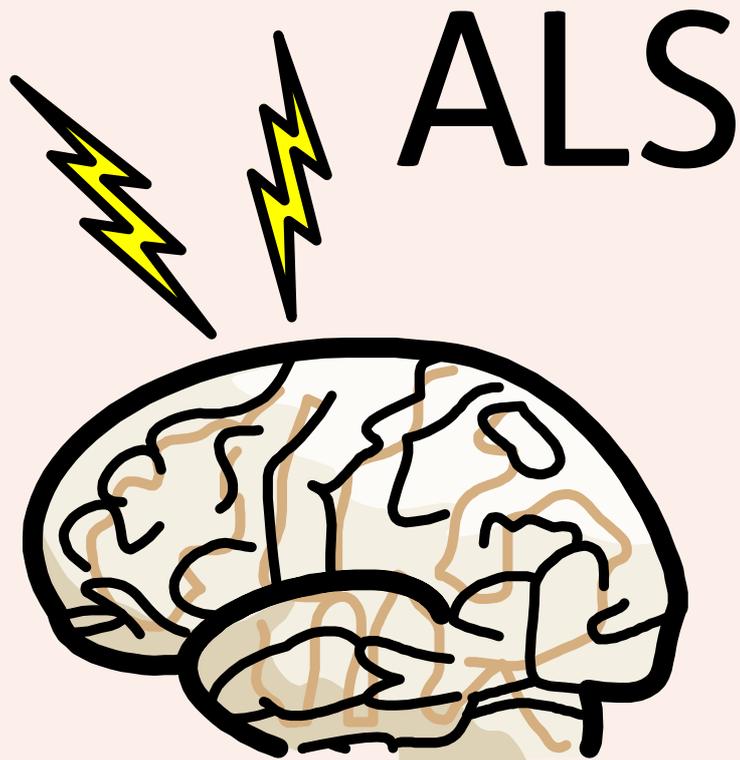


Stephen then studied cosmology at Cambridge.

Whilst at Cambridge Stephen became ill.

He struggled to row, and then struggled to walk.

He was diagnosed with motor neurone disease.

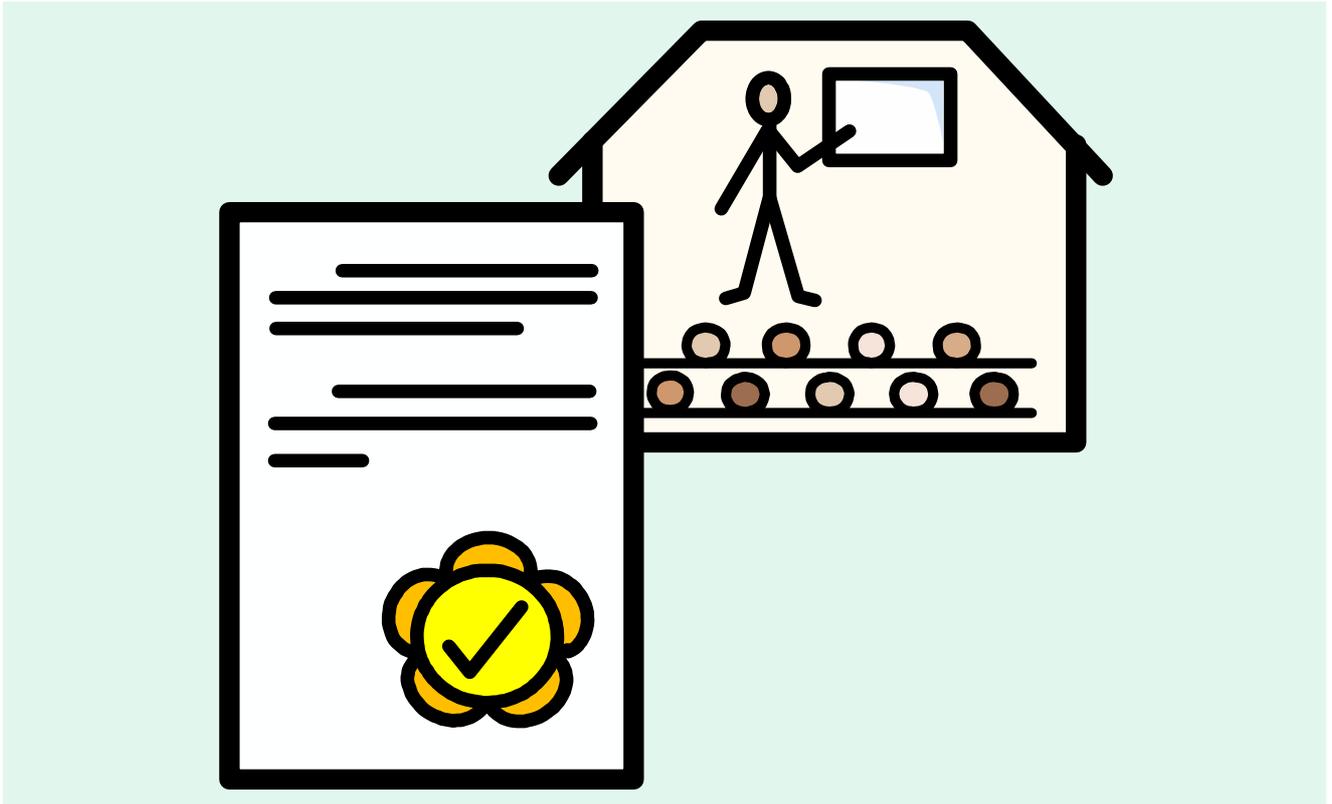


Stephen had Amyotrophic Lateral Sclerosis.

ALS affects the neurons that control the muscles.

The brain cannot control the muscles.

ALS affects movement and speech.

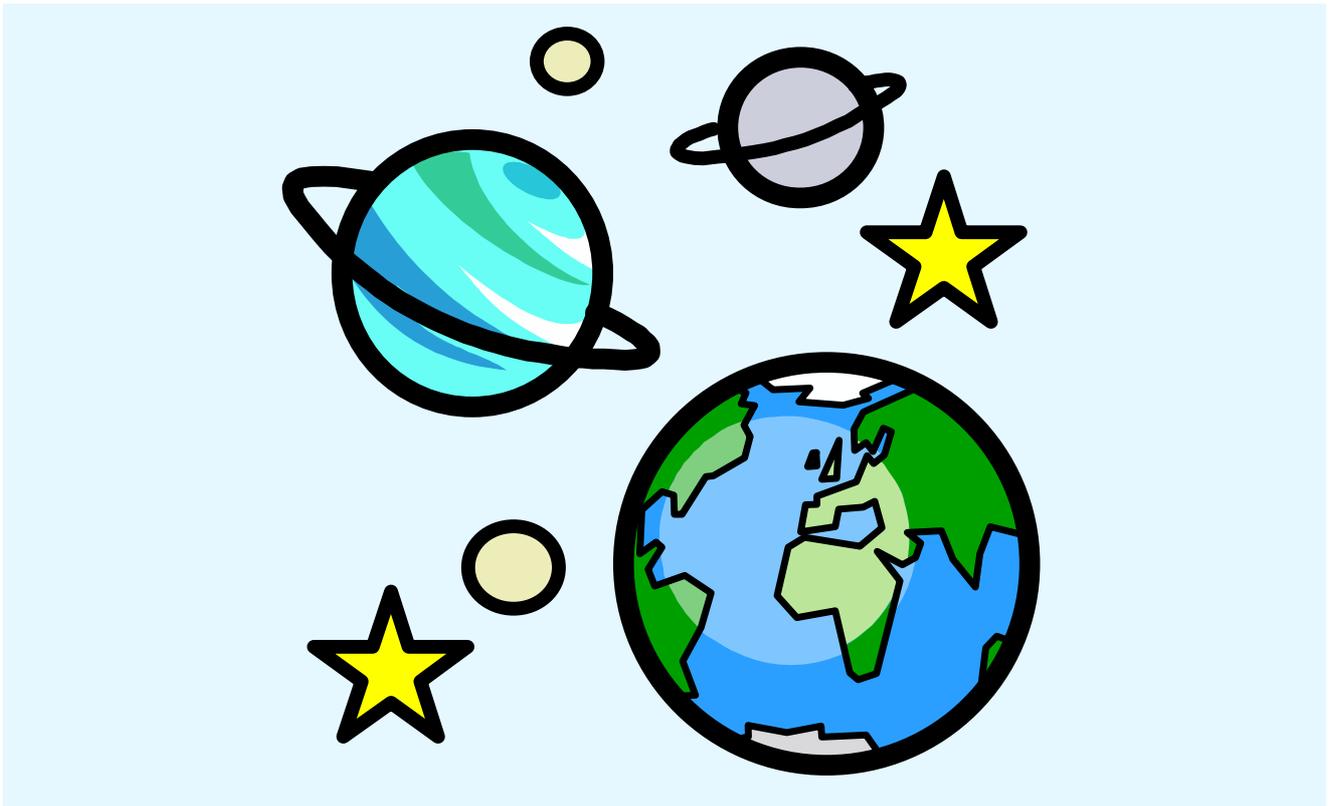


Doctors said Stephen only had a few years to live.

Stephen proved the doctors wrong.

In 1966 Stephen completed his PhD at Cambridge.

Stephen wrote about black holes for his thesis.

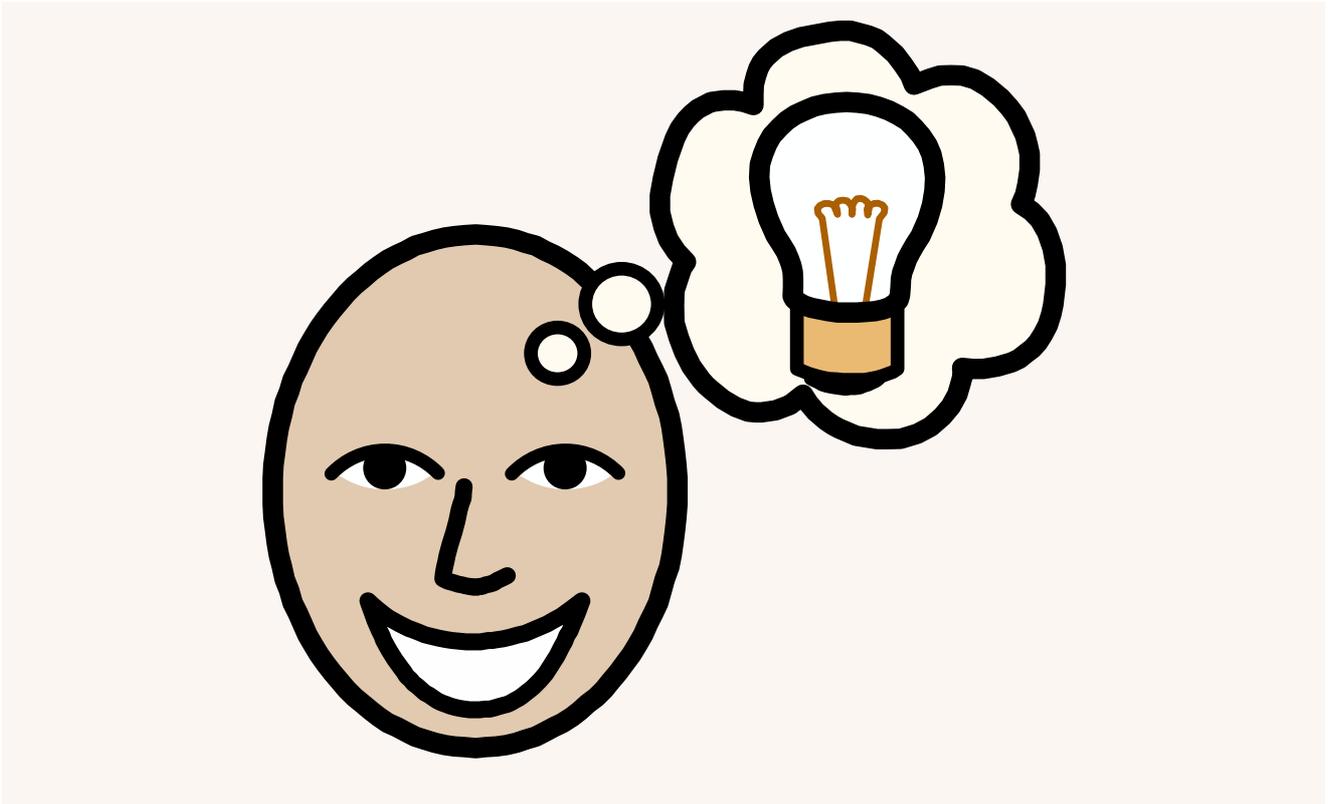


Stephen's ALS gradually worsened.

He became paralysed and used a wheelchair.

Then he couldn't speak or write.

But Stephen could still think about the universe.



Stephen became a famous cosmologist.

He was interested in the structure of the universe.

He invented some very important theories.

He wrote about the Big Bang and black holes.

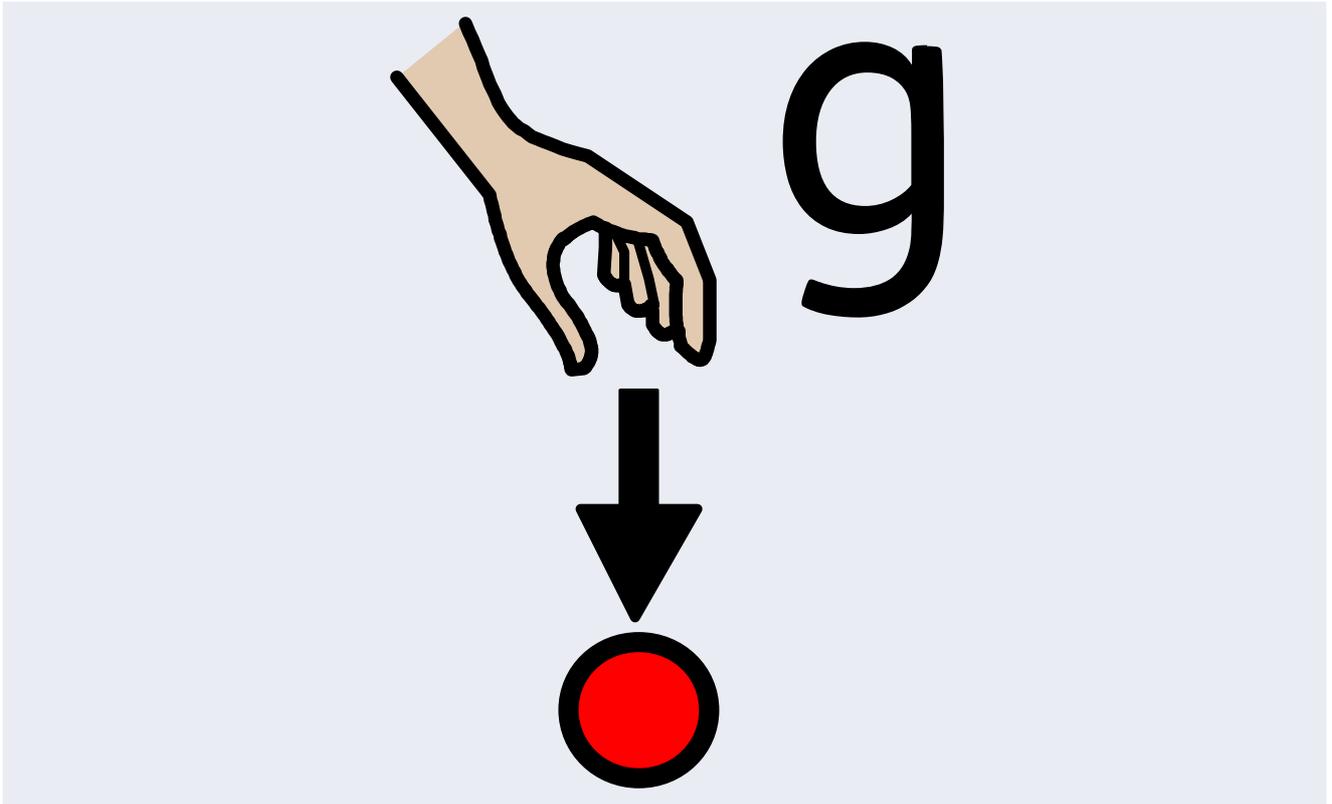


Stephen became a Lucasian professor of mathematics.

This is a prestigious role at Cambridge University.

The role was once held by Sir Isaac Newton.

In 1982 Stephen was awarded a CBE.

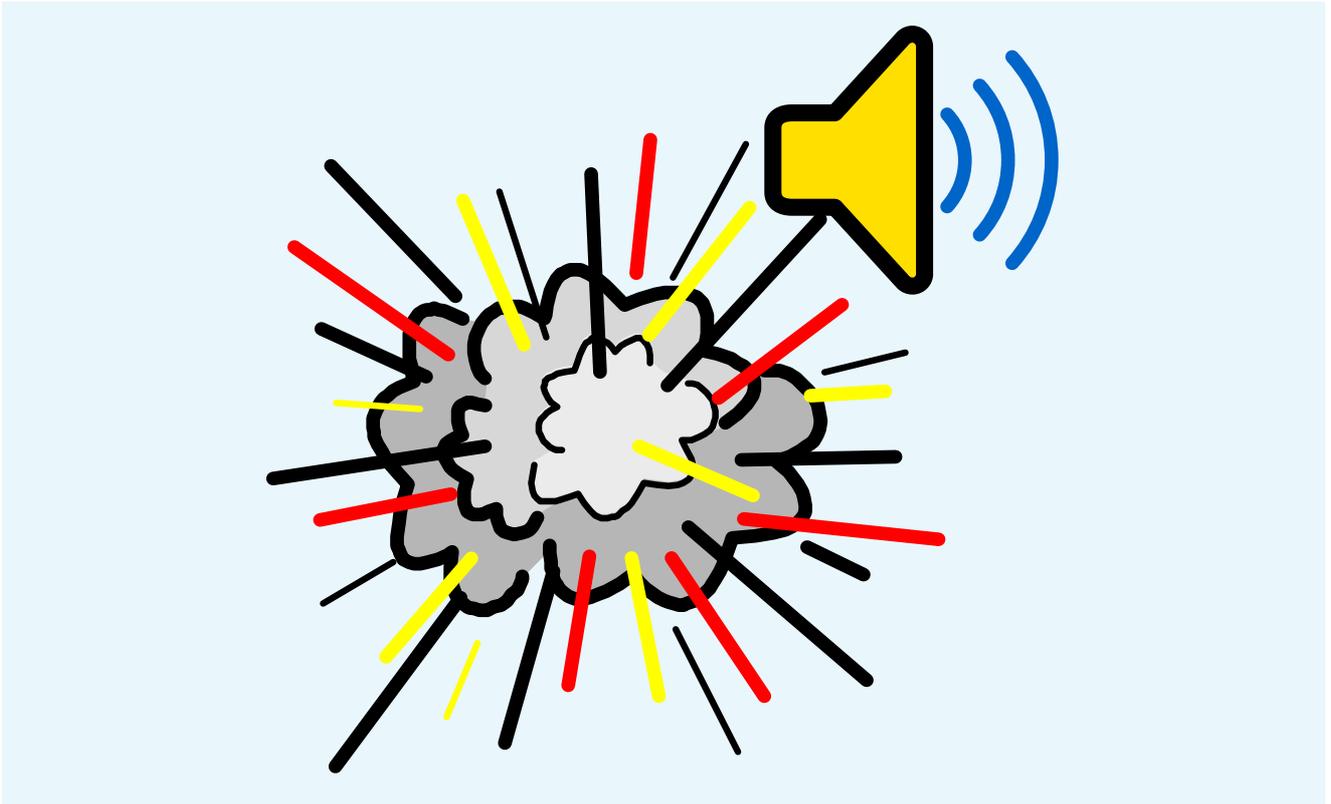


Stephen's work on black holes was very important.

In a black hole gravity is very strong.

This gravity pulls everything down into it.

Even light cannot escape from a black hole.



Stephen reasoned space and time had a beginning.

Before the beginning there was no time.

The universe was created in a Big Bang.

This created all matter and energy in the universe.



Stephen also wrote popular science books.

He wrote for people who weren't scientists.

A Brief History of Time told the story of the universe.

A Brief History of Time sold over 10 million copies.



Stephen was paralysed and couldn't talk.

He used a computer to help him communicate.

He controlled text selections using his cheek muscle.

His words were then spoken by a synthesiser.

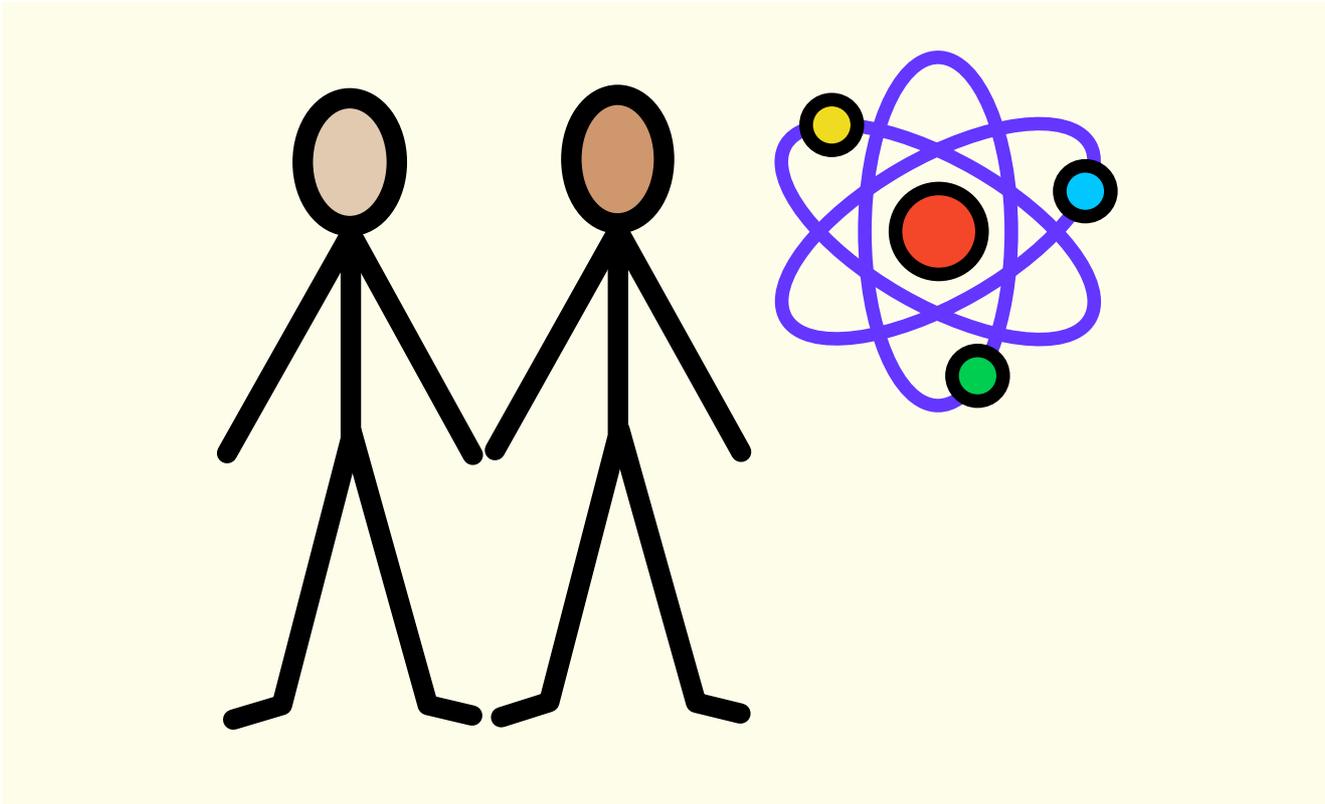


Stephen died on 14th March 2018 aged 76.

He died due to his ALS.

His ashes are buried at Westminster Abbey.

He lies next to Charles Darwin and Isaac Newton.



Stephen was one of the world's most brilliant minds.

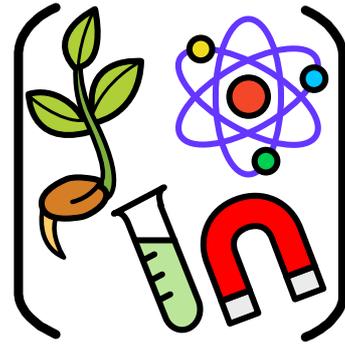
Stephen was one of the world's greatest scientists.

He inspired many people to become scientists.

He increased our understanding of the universe.



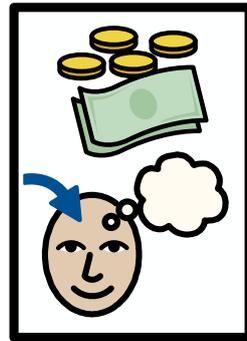
Stephen Hawking



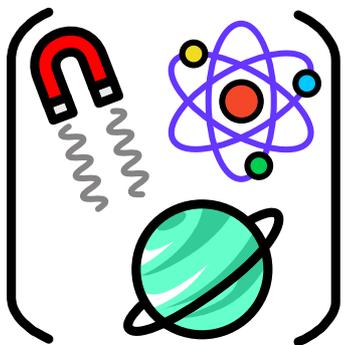
science

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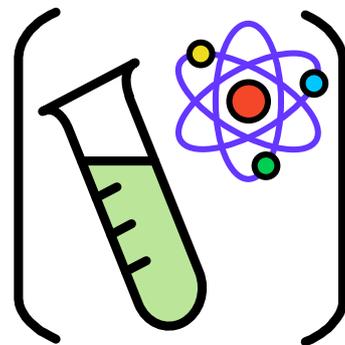
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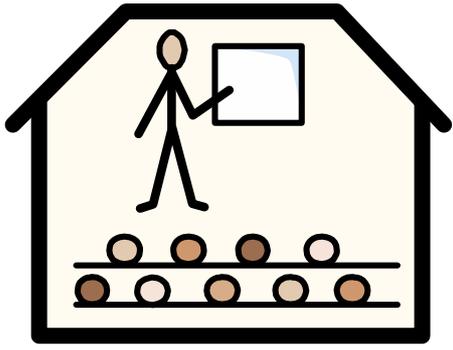
scholarship



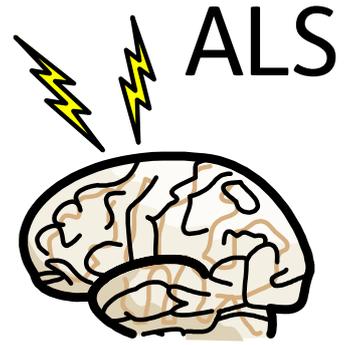
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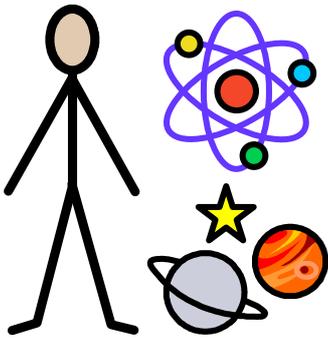
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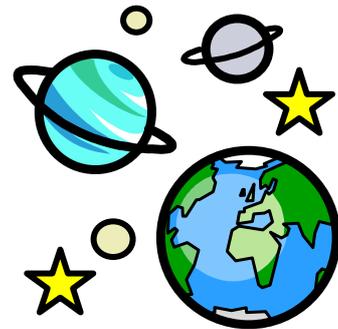
Cambridge



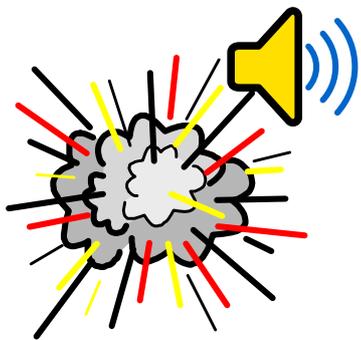
ALS



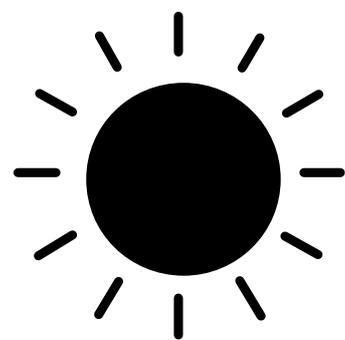
cosmologist



universe



Big Bang



black holes