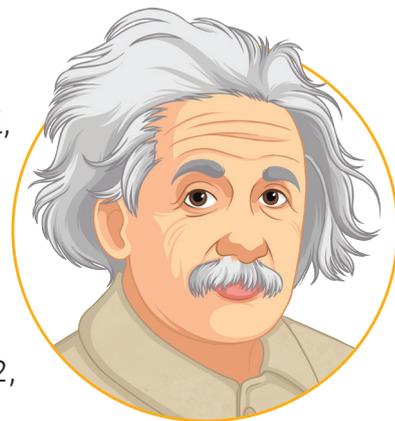


# Albert Einstein Birthday

## Early Life

Albert Einstein was born in Germany on the 14<sup>th</sup> of March 1879. As a child, he felt quite alienated and did not learn to speak until he was four years old. He began playing the violin at six years old and was passionate about music.

Albert Einstein was a mathematician and a physicist. He is most famous for developing theories on relativity and the equation  $E = mc^2$ . In 1912, he won the Nobel prize for his explanation of the photoelectric effect.



Albert Einstein was Jewish, living in Germany and was targeted to be killed during the Second World War. He left Germany and immigrated to the United States where he continued his studies and his work.

## Einstein's Theories

His theory on general relativity allowed predictions of planetary orbits to be made more accurately. His theory on general relativity also included ideas about time travel and wormholes. During a solar eclipse in 1919, two British astronomers collected data which provided evidence to confirm Einstein's theory. His fame soared.



Einstein wrote a paper on his equation,  $E = mc^2$ , which describes the relationship between energy, mass and the speed of light. His theory suggested that tiny particles of matter could be used to release large amounts of energy. This discovery led to the development of nuclear energy and the atomic bomb.

## Einstein's Death

In April 1955, he suffered an abdominal aortic aneurysm (the main artery from the heart down through the torso became swollen and likely to rupture). At the hospital, he refused to undergo surgery and declared he was ready to die, as fate intended. He died the next day on the 18<sup>th</sup> of April 1955. He was 76 years old.

Following his death, an autopsy was conducted and a doctor removed his brain so it could be preserved for future studies. Albert Einstein's brain is now located at Princeton University Medical Centre.

