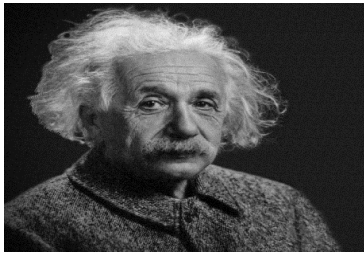


# The Life and Legacy of Albert Einstein



Albert Einstein, renowned as one of the greatest physicists of all time, left an indelible mark on the scientific community with his revolutionary theories and profound insights into the nature of the universe.

Born on March 14, 1879, in Ulm, Germany, Einstein exhibited an early fascination with mathematics and science. He pursued his education at the Swiss Federal Polytechnic School in Zurich, where his intellectual curiosity flourished.

## Annus Mirabilis (1905)

The year 1905, famously known as Einstein's "Annus Mirabilis" or "miracle year," witnessed the publication of four groundbreaking papers that transformed physics. These papers introduced revolutionary concepts such as the photoelectric effect, Brownian motion, special relativity, and the iconic equation  $E=mc^2$ .

## General Theory of Relativity

Building upon his work in special relativity, Einstein developed the general theory of relativity between 1907 and 1915. This theory fundamentally reshaped our understanding of gravity by proposing that massive objects warp the fabric of spacetime.

## Nobel Prize (1921)

In 1921, Einstein was awarded the Nobel Prize in Physics for his explanation of the photoelectric effect. However, his broader contributions to theoretical physics, including the theory of relativity, were equally deserving of recognition.

Beyond his scientific pursuits, Einstein was a passionate advocate for peace, civil rights, and social justice. He lent his voice to various causes, condemning militarism and championing disarmament and international cooperation.

Fleeing Nazi Germany's persecution, Einstein emigrated to the United States in 1933, where he continued his academic pursuits at the Institute for Advanced Study in Princeton, New Jersey. Despite his advanced age, he remained intellectually active and engaged in public discourse until his passing in 1955. Einstein's contributions to physics revolutionized our understanding of the cosmos and paved the way for numerous technological innovations. His name has become synonymous with genius, and his ideas continue to inspire scientists, scholars, and thinkers worldwide.

Albert Einstein's life and work exemplify the power of intellect, curiosity, and moral conviction in shaping our understanding of the universe and advancing the common good. His enduring legacy serves as a beacon of inspiration for generations to come.