



# Study Of Contribution Of Albert Einstein To Physics

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**Abstract:** The German-born American physicist (one who studies matter and energy and the relationships between them) Albert Einstein revolutionized the science of physics. He is best known for his theory of relativity, which holds that measurements of space and time vary according to conditions such as the state of motion of the observer.



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## Introduction

Albert Einstein was born on March 14, 1879, in Ulm, Germany, but he grew up and obtained his early education in Munich, Germany. He was a poor student, and some of his teachers thought he might be retarded (mentally handicapped); he was unable to speak fluently (with ease and grace) at age nine. Still, he was fascinated by the laws of nature, experiencing a deep feeling of wonder when puzzling over the invisible, yet real, force directing the needle of a compass. He began playing the violin at age six and would continue to play throughout his life.

At age twelve he discovered geometry (the study of points, lines, and surfaces) and was taken by its clear and certain proofs. Einstein mastered calculus (a form of higher mathematics used to solve problems in physics and engineering) by age sixteen. Einstein's formal secondary education ended at age sixteen. He disliked school, and just as he was planning to find a way to leave without hurting his chances for entering the university, his teacher expelled him because his bad attitude was affecting his classmates. Einstein tried to enter the Federal Institute of Technology (FIT) in Zurich, Switzerland, but his knowledge of subjects other than mathematics was not up to par, and he failed the entrance examination. On the advice of the principal, he first obtained his diploma at the Cantonal School in Aarau, Switzerland, and in 1896 he was automatically admitted into the FIT. There he came to realize that he was more interested in and better suited for physics than mathematics.

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