



D&I Words of Visionaries

Module 1: Speeches of the Visionaries Module 2: The Nuclear Race

At Dreamers & Innovators currently, Dreamers have been engaged in two modules namely: 'Speeches of Visionaries' and 'The Nuclear Race'. Each of the modules is designed to familiarize the youth of tomorrow with the knowledge that has formed the building blocks of our contemporary world.

'Speeches of Visionaries' covers six thoughtfully curated speeches by significant personalities. In this newsletter, inspired by Martin Luther King Jr's speech, 'I have a Dream', Arhaan writes against the archaic practice of discrimination plaguing modern society.

'The Nuclear Race' showcases the domino effect of the events that have engulfed the world today in the uncalled-for Nuclear Race. The second session focuses on the Race of Fear which strings characters like Albert Einstein, F.D. Roosevelt, Robert Oppenheimer and the atomic bombs to one project. Dreamers: Aanya and Ruben discuss the key element that links them all.

Dreamers & Innovators is a **knowledge and skill-building platform** for 21st-century learners. We aspire, design and execute interactive learning experiences where global knowledge relevant to today and tomorrow is brought to young Dreamers. At D&I, 21st-century skills are honed, confident communication is developed and independent, informed opinions are nourished.

An Appeal Against Discrimination



Arhaan Gupta
12 years

"Sometimes, I feel discriminated against, but it does not make me angry. It merely astonishes me. How can any deny themselves the pleasure of my company? It's beyond me." — Zora Neale Hurston. Today the world is changing every second! New things are being made endlessly! Things are getting old fashioned every day! But still, one thing which is old fashioned and is never-ending is the hateful world called 'Discrimination'. People get treated poorly every day just because they are born with a different religion, caste, race!

Don't all deserve to be treated like normal human beings? A wise person once said, "You should treat others the way you yourself want to be treated." When you are discriminated against then you realise how it feels. It is wrong to discriminate as it is not right to treat someone unfairly. The more you discriminate the more you start being aggressive, rude and you get filled with hatred. If this worthless practice known as "discrimination" keeps going on, then the world is definitely not in good hands and that is what I fear the most.



A Letter Changed History's Course

Aanya Mehra, 16 years

History is the greatest teacher. The wise and visionaries inspired by circumstances react and often create history. One such incident that changed the path of history was when in August of 1939, a German Jewish scientist, Leo Szilard persuaded Albert Einstein to write a letter to the then president of the USA, Franklin D Roosevelt. The objective was to warn him about the advanced research in their native land of Germany which they had fled in 1933 due to anti-Semitism. The Einstein-Szilard letter highlighted that back in Germany, under the guidance of Hitler, research was being conducted on how the nuclear fission reactors utilizing uranium could produce a large amount of power by a chain reaction. They feared that if this power were harnessed, it could lead to the formation of bombs which would cause widespread damage.

Hence began the 'Race of Fear'. The Einstein-Szilard letter led to President Roosevelt set up the Manhattan Project in 1942 under J. R. Oppenheimer and eventually the USA created atomic bomb by July 1945. A uranium-core bomb called 'Little boy' and a plutonium-core weapon called 'Fat Man' was dropped by the USA on Hiroshima and Nagasaki in Japan on August 6th and 9th respectively. This was the first time ever; atomic energy had been put to use but causing the loss of millions of innocent lives. WW2 ended but the price humanity paid was large and today this Race of Fear continues to loom over most nations of the world.

Einstein's Greatest Regret In Life

Ruben Sharma, 11 years



On August 2nd 1939, a letter was written by Albert Einstein to president Franklin D. Roosevelt which informed him of the research and testing being done by Germany on radioactive elements. Of course, at the time, Einstein did not know that his letter would be the reason for the construction of one of the most destructive weapons in history.

The Hungarian physicist Leo Szilard informed Albert Einstein of Germany's research and urged him to inform president Roosevelt about this and request him to interfere in Germany's plans. At the time, Einstein had been awarded the Nobel prize in physics and it made sense that president Roosevelt would listen to him rather than Szilard. On October 19th of the same year, Roosevelt replied to Einstein that he had set a committee that would research on the nuclear elements and it consisted of military officials and scientists. This later led to the development of a top-secret project called the Manhattan project. The creation of nuclear bombs began at the Los Alamos Laboratory and was set under the supervision of Nuclear Physicist Robert Oppenheimer. Three bombs were made, the first one was used for testing in New Mexico. The second and third ones were detonated on Hiroshima and Nagasaki respectively.