



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 **Greta Thunberg's speech, 'How Dare You'**, Nihaal pens down his learning and inspires the world to pay heed to the most vital concern we humans face today – the Climate Crisis.

The other module, **'The Nuclear Race'** showcases the domino effect of the events that have engulfed the world today in the uncalled-for Nuclear Race. The sixth session focused on the the two worst Nuclear Disasters – one due to human mishandling, Chernobyl and other being due to nature's wrath, Fukushima. Both of which were indeed catastrophic .

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.

Greta Thunberg & The Climate Crisis



Nihaal Solanki
15 years

"Adults keep saying we owe it to the young people, to give them hope, but I don't want your hope. I don't want you to be hopeful. I want you to panic. I want you to feel the fear I feel every day. I want you to act. I want you to act as you would in a crisis. I want you to act as if the house is on fire because it is." Greta Thunberg is a Swedish environmental activist who is internationally known for challenging world leaders to take immediate action for climate change mitigation. She initially gained notice for her youth and her straightforward speaking manner, both in public and to political leaders and assemblies, in which she criticizes world leaders for their failure to take what she considers sufficient action to address the climate crisis.

It all started when she was a child, when she watched a video in her school in which polar bears were dying due to climate change. The video inspired her to become a climate activist. She led many strikes and has delivered marvelous speeches on the climate crisis. One of her famous speeches was 'How Dare You', delivered during the UN Climate Summit in New York on September 23, 2019. In her speech, she mentioned about adults trying to pollute the earth and being majorly responsible for the situation. She even said that these adults are driven by profits and focus on ways of making more money or economic crisis, but they are not at all thinking of the climate crisis leading to environmental disasters.



Devastation Of Nuclear Power

Arunim Srivastava, 16 years

We humans have evolved into the most egocentric creatures that the Earth has witnessed. A medium capable of mass destruction appears to us as a mere opportunity to flaunt our power. We are no strangers to the apocalyptic consequences of Nuclear attack. Are we? Let's take Hiroshima and Nagasaki for instance. During the WWII, Japan chose not to surrender when the Axis had been defeated and out numbered by the Allies. The United States threatened Japan on August 6th 1945, in the form of a nuclear bomb. The effect of which was unlike anything we had ever experienced. Fatalities ranging in hundreds and thousands and all that remained of the city was rubble and a pile of corpses, however the Japanese yet refused to bow down which resulted further in the bombing of Nagasaki on August 9th 1945, which proved to be more ravaging.

Nuclear disasters have occurred due to mishaps as well, at Chernobyl was on such incident. Manual errors on the early hours of April 26th 1986 proved to be catastrophic. An explosion at the power plant resulted in the spread of radiation but citizens were not informed. The government tried to control the uncontrollable. After the failed attempt, the city was evacuated. But the Fukushima disaster was quite distinct. The earthquake-caused tsunami led to the power outage on March 11th 2011 due to which the nuclear reactors failed to cool down and led to an explosion releasing the radiation in air, but unlike Chernobyl, the government did not waste their time covering up rather immediately evacuated the city. Nuclear power was born due to curiosity and later greed and fear. We hope the world learns from its mistakes and changes for the better.

The Biggest Nuclear Mishaps

Uday Nanda , 13 years



After the second world war the USA thought that Germany had a nuclear weapons program. Due to this fear, they created 3 nuclear weapons. It was called the Manhattan project. The first bomb was the Trinity test bomb. The second and third were the Hiroshima and Nagasaki bombs code named "little boy" and "fat man" respectively. These bombs killed thousands by themselves and left radiation behind to make many more suffer. When USSR got to know they immediately started producing their own weapons leading to the nuclear race. The Cuban missile crisis started when Cuba became communist and the USA stopped imports from Cuba to the US. This was a major problem for Cuba until Soviet Union stepped in and started imports from Cuba to USSR. They also stored nuclear missiles in Cuba, when the US got to know they made a naval blockade around Cuba. They dropped a depth charger near the Soviet submarine to make it come up. The submarine thought they were being attacked and readied a nuclear missile but was stopped by one man Vasili Arkhipov which stopped the WW3.

In continuation to the Nuclear Race, the worst nuclear disaster was Chernobyl crisis of 1986, when a nuclear reactor exploded,. It was not handled correctly and resulted in thousands dying; for 2 days no one had known of the lethal amounts of radiation in the air, until they were told to evacuate. This was unlike Fukushima, Japan in 2011, but even Fukushima had a grave impact. The world cannot have such mishaps. We must take all precautions to avert them.