

at 15 minutes past 8 in the morning, August 6th 1945 the citizens of Hiroshima saw a flash brighter than anyone had seen before. And the world changed forever. The Manhattan Project was created during WWII, because of it, a new path for the world was paved.

It all started with The discovery of nuclear fission. This discovery is only one of the significant events involved in the Manhattan project, Fission was a huge Scientific advancement, it changed the world at the time and continues help Science as well as technology advance today.

When scientists learned of fission they started experimenting and found 2 elements that had chain reactions when split and caused an huge detonation. It's not a surprise that a weapon was one of the first uses people thought of when they discovered this effect considering that WWII was taking place with no end in sight. Germany was thought to be close to making the first ever atomic weapon, there were fears of Germany having this type of power. Because of that a letter was sent to President Roosevelt from Albert Einstein warning the US of the progress of the atomic bomb being created. The letter mentions "Extremely powerful bombs of a new type". Once read a letter was sent back informing Einstein there had been a group put together to start atomic research, from then the race began and Manhattan project was underway.

The United States lead the Manhattan project from 1941 to 1946 and only a select few really knew what the project was for. Secrecy was the most important aspect of the project. They had to find a place to conduct experiments and research, they found Los Alamos, New Mexico and called it the perfect place. They acquired 54000 acres of land and Los Alamos became a secret city, home to important personnel involved in the project as well as their families. Some of the greatest minds were put together to create the atom bomb.

The theory of atomic weapons came to life in Los Alamos and they created the first ever atomic bomb. They had one test it was called the trinity test, the test was on July 16th 1945. No one knew what was going to happen, was the bomb going to be a success, a failure, a disaster? It was successful, it was a bigger explosion than anyone had imagined, this event is where the famous quote "now I am become death destroyer of worlds" came from. After the test was so successful president Truman decided to use 2 atomic bombs in the war.

The first bomb was dropped on Hiroshima on August 6th 8:15 am, the city was destroyed and hundreds of thousands died some instantly and some over time, the second bomb was dropped on Nagasaki 3 days later. After the second bomb was dropped Japan surrendered and the war ended September 2nd 1945. Not all of the effects of the atomic bomb were as grim as the destruction of 2 cities some good things came from the discovery of nuclear fission, treating diseases with radiation like

cancer, advancements in space exploration, and nuclear energy a new type of clean power. The science that the atomic bomb required caused many new discoveries to surface and they have helped our civilization evolve to what it is now.

The atomic bomb is something that everyone knows about, it helped end WWII it led to new amazing discoveries, and it was created because of the Manhattan project. The Manhattan project influenced what our world looks like right now. We will never know what it would look like if it never happened. What we do know is that the Manhattan project changed the course of history and how we live today.