

# Manhattan Project / Atomic Bomb



# **Manhattan Project**

**As World War II drags on,  
America is forced to turn its  
attention to the Japanese Empire  
in the Pacific.**

# Manhattan Project

- American Scientists, knowing that Hitler was creating his own Atomic Weapon, urged President Roosevelt to construct our own Atomic Bomb. **This project was super secret and the Manhattan Project was the code name for the Atomic Bomb.**



# Manhattan Project Cont.

- **The Manhattan Project was to be completed in several phases and in 4 key locations.** This illustrated the secrecy necessary to protect the project from spies operating in the United States.

# Manhattan Project Locations

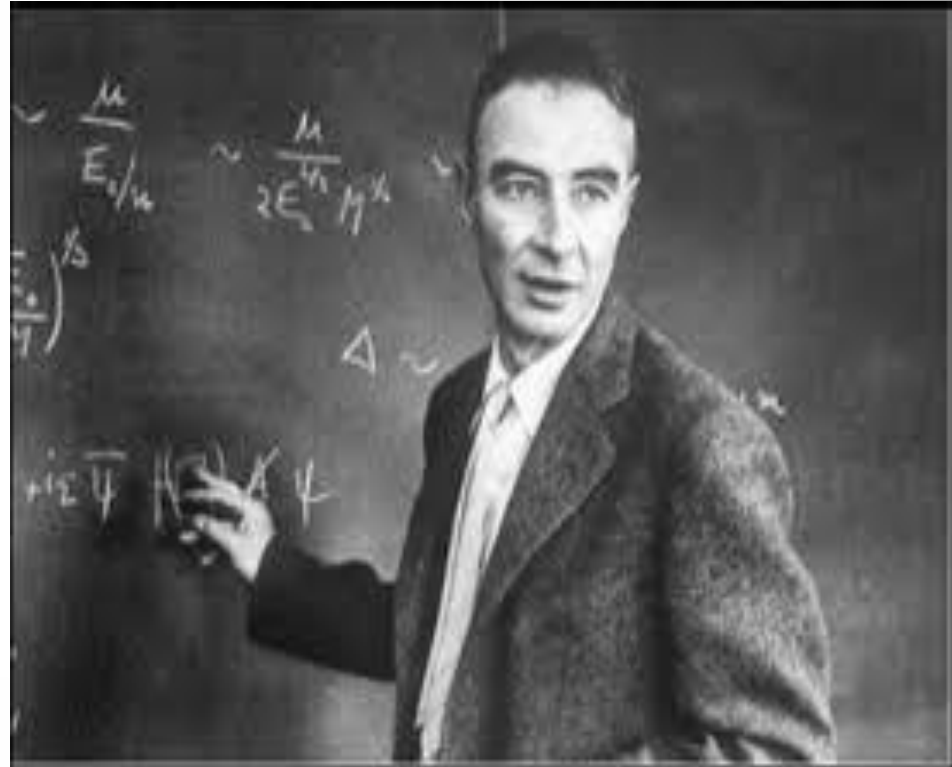


# Manhattan Project Locations

- **University of Chicago / Chicago, Illinois**
- **Oak Ridge, Tennessee**
- **Hanford, Washington**
- **Los Alamos, New Mexico**

# Robert Oppenheimer

- Robert Oppenheimer was the scientist that was placed in charge of the Manhattan Project.



# Early Atomic Bombs

- Early Atomic Bombs looked like this. **The first two models were nicknamed “Fat Man” and “Little Boy”.**





# Los Alamos, New Mexico

- **The first Atomic Bomb was successfully tested at a bomb test site in Los Alamos, New Mexico.**



# President Roosevelt Dies

- On April 12, 1945, President Roosevelt Dies suddenly. He is replaced by his Vice President Harry S. Truman.



# Truman's Decision

- **President Truman makes the decision to drop the Atomic Bomb on Japan** after learning that an invasion of mainland Japan could cost up to **1,000,000 American lives.**



# Truman Demands Japanese Surrender

- **Prior the destruction of Hiroshima, President Truman demanded that the Japanese surrender or face “prompt and utter destruction”.**



# Hiroshima, Japan

- On the morning of **August 6, 1945**, pilot Paul Tibbets, flying **the Enola Gay**, lifts off and **heads for Hiroshima, Japan** with the first **Atomic Bomb** ever used.



# Hiroshima, Japan is Obliterated

- At 8:15 A.M. **the first Atomic Bomb (Little Boy), was dropped from the Enola Gay on Hiroshima, Japan.**



- **A Japanese Journalist Writes:**
- **Suddenly a glaring whitish pinkish light appeared in the sky accompanied by a unnatural tremor. Within a few seconds, thousands of people in the streets in the center of town were scorched by a wave of searing heat.**

- **By the evening the fires began to burn down and they eventually went out. There was nothing left to burn. Hiroshima had ceased to exist.**

- **Barrington Boardman**



- **The atomic blast killed 100,000 people instantly. Another 100,000 men, women, and children, died later from burns, radiation, or other wounds caused by the blast.**

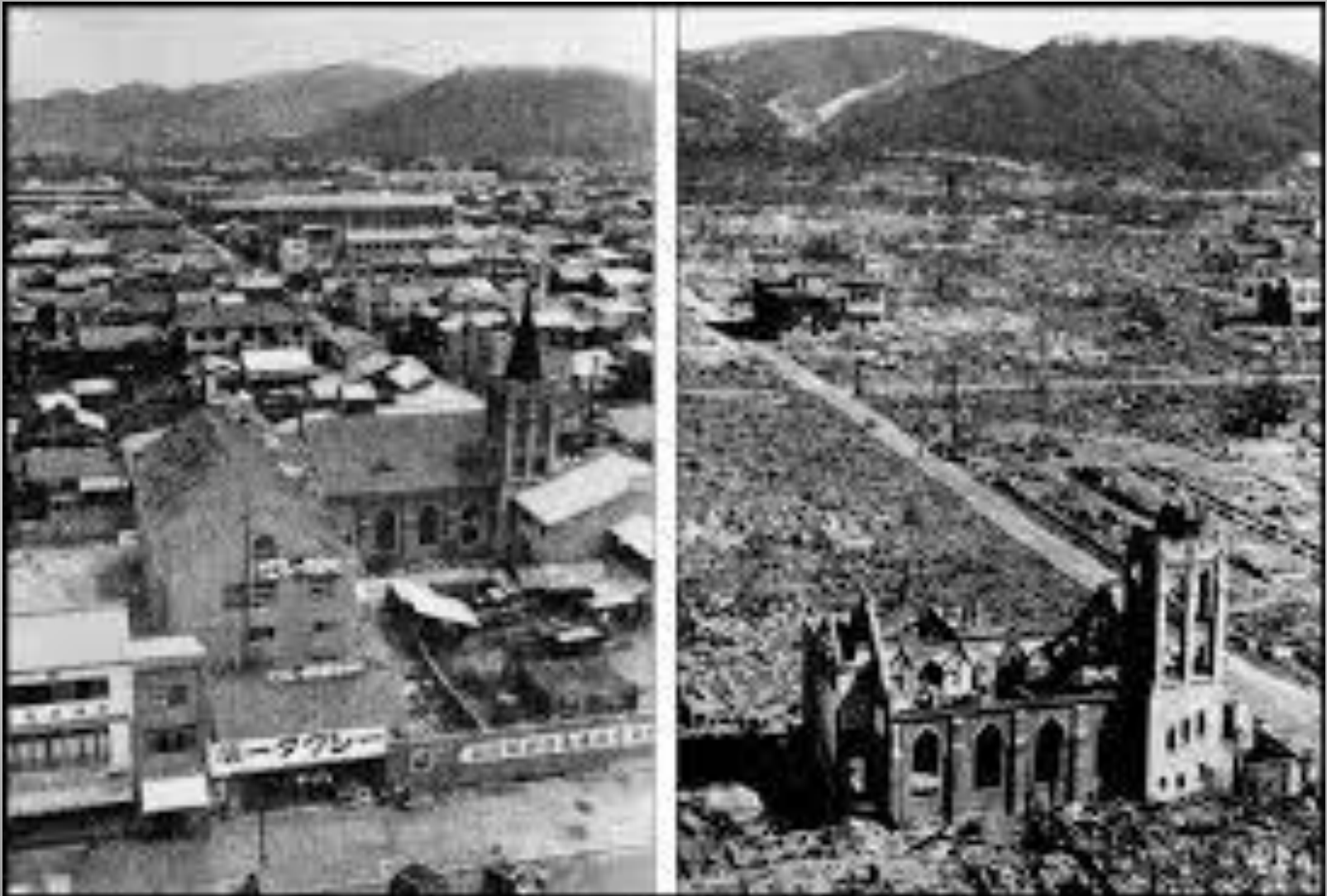
# Hiroshima Before



# Hiroshima After



# Hiroshima Before and After



# Victims of Hiroshima



# Hiroshima Victims



# Hiroshima Victims



# Truman Demands Japanese Surrender

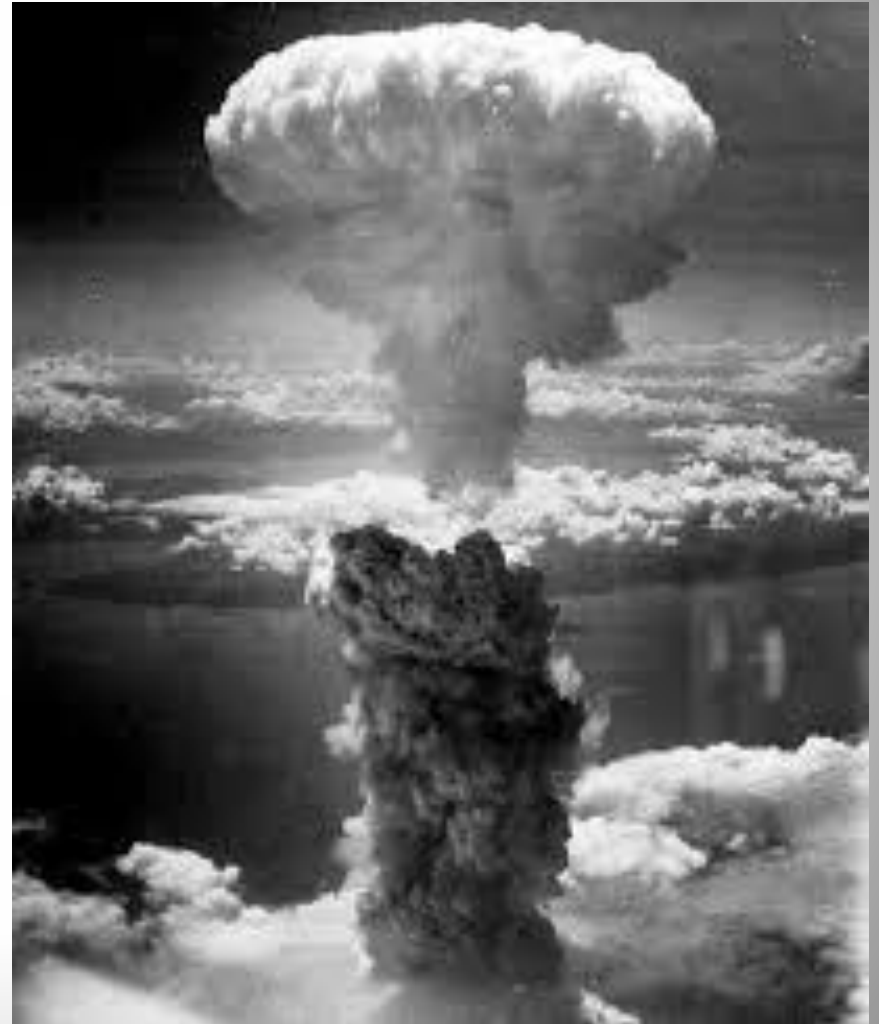
- After the destruction of Hiroshima, President Truman again demanded that the Japan surrender.





# Nagasaki Bombed

- **When the Japanese refused to surrender, a second Atomic Bomb (Fat Man) was dropped on Nagasaki, Japan on August 9, 1945 at 11:02 A.M. An additional 40,000 citizens were killed.**



# Nagasaki Destruction



# Nagasaki Destruction



# Nagasaki Destruction



# Nagasaki Victims Vaporized



# Nagasaki Victims Vaporized



# More Shadows



# Japan Surrenders

- September 2, 1945, Japan officially surrendered ending World War II.





# Questions to Ponder

- **Was the U.S. justified in dropping the Atomic Bomb? Why or Why Not?**
- **Was it necessary to bomb both Hiroshima and Nagasaki? Why or Why Not?**
- **Were we trying to send a message to someone other than Japan? Who / Why**
- **Why does it matter today / what are the long-term repercussions of using the Atomic Bomb?**