

Science-Tech-Codes-Other Responsibilities

When presenting in your virtual museum on the following topics, using the questions assigned to each topic. Make sure your virtual museum addresses the answer to these questions:

Weapons include ships, tanks, vehicles, aircraft, artillery, rocketry, small arms, and biological, chemical, and atomic weapons.

MANHATTAN PROJECT (ATOMIC BOMB)

1. What was the Manhattan Project?
2. Who was involved with the project?
3. Where were the production facilities? What was produced at each facility?
4. When did the Manhattan Project officially end?
5. Why was the decision to drop the atomic bombs on the cities of Hiroshima and Nagasaki controversial?
6. The debate has not ended because questions remain. Did it have to happen? Will it happen again in an even more catastrophic way? What do the first human experiences with nuclear power say about humanity's ability to control its most dangerous creation?
7. After the atomic bombs were dropped, what happened? What was the reaction by other nations to the dropping of the A-bombs? What were the after effects politically, economically, militarily (for Japan)?

OTHER WORLD WAR II WEAPONS/TECHNOLOGY

1. If you decide to research a weapon:
 - (A) What was the weapon?
 - (B) What country(s) used the weapon?
 - (C) How was it produced and repaired?
 - (D) How was it used?
 - (E) Was it effective?
2. If you decide to research a technology, then use the questions under weapons, just apply them to the technology. Technology includes:
 - (A) Logistical support (e.g. vehicles necessary for transporting soldiers and supplies, such as trains, trucks, and aircraft.)
 - (B) Communications and intelligence (i.e. including devices used for navigation, communication, remote sensing and espionage.)
 - (C) Medicine (e.g. surgical innovations, chemical medicines, and techniques)
 - (D) Industry (e.g. the technologies employed at factories and production/distribution centers.)

SECRET CODES: The CODE TALKERS and THE ENIGMA CODE BREAKERS

1. Who were the code talkers?
2. What Native American Tribes were used as code talkers?
3. In what military branches did they serve?
4. How was each tribe specifically used?
5. Describe the characteristics of Native American cryptography.
6. How have Native American code talkers been recognized since World War 2?
7. What was the Enigma Code?
8. How did the Allied forces go about trying to break this code?
9. What was the operation called and who were the people involved in breaking the code?
10. How was the code broken?
11. What moral dilemmas did these individuals encounter?
12. When did the "world" learn about the Enigma Code and the events surrounding it?