

Works Cited

Primary Resources

“1statomicbombtest1945 image.” Web. 2 December 2011.
<<http://science.howstuffworks.com/manhattan-project.htm>.>

I used an image of the Trinity test to show what it looked like on my site.

“Albert Einstein to Franklin D. Roosevelt, March 25, 1945, Miscellaneous Historical Documents Collection.” Truman Library.Org. Web. 21 March 2012.

This was the letter that Einstein wrote introducing Leo Szilard to Pres. Roosevelt. It discussed what Szilard had been working on with chain reactions and how it might help in developing a weapon. I used a portion of the letter in my site.

“Arms Race Political Cartoon.” Web. 23 March 2012.
<<http://www.dipity.com/nuleyseo/Expansion-and-Industrialization/>.>

I got a political cartoon of JFK and Khrushchev each running with nuclear weapons to demonstrate the fact that each country was racing to build up their nuclear stockpile. I put it on the relation to theme page to help demonstrate the reaction to the Cold War and arms race.

Bradley, Omar. “Political Quote.” Web. 23 March 2012.
<http://thinkexist.com/quotation/the_world_has_achieved_brilliance_without_wisdom/.>

I used this quote, “The world has achieved brilliance without wisdom, power without conscience. Ours is a world of nuclear giants and ethical infants.” on my thesis page to go along with a political cartoon titled “Baby Play with Nice Ball.” to demonstrate the contrast in emotions and thoughts about the discovery and usage of the atomic bomb.

“Burchett, Wilfred.” Video . Journeymanpictures. Web. 5 February 2012.

This is a video of Wilfred Burchett observing Hiroshima after the bombing. I used a snippet of his video in my website. I used it at the end of my site for dramatic effect. Burchett was a journalist who snuck into Hiroshima one month after the bombing. He was able to write and videotape the complete destruction the bomb did without being a journalist on the government payroll as some journalists were such as William Laurence of the New York Times who was paid by the US government to write a series of articles about the bombs and the bombing of Japan.

Carter, Robert. Phone Interview with author. 22 and 24 March 2012. Bethesda, Maryland.

I did a phone interview with Robert Carter, a 92 year old nuclear physicist who worked under Enrico Fermi and Robert Oppenheimer on the Manhattan Project. He informed me

what Los Alamos was like, what the Trinity test was like, how he felt about the atomic bomb and the bombing of Japan, and what impact the Manhattan Project had on the world. I had to call him twice as my ipad destroyed the first interview.

Churchill, Winston. "Iron Curtain Speech March 5, 1946." Nuclear Files.org. Web. 11 Feb. 2012. <[http:// www. Nuclearfiles.org/.](http://www.Nuclearfiles.org/)>

This was Winston Churchill's speech he gave at Westminster College in Missouri on March 5, 1946 to President Truman and various other people. I got a quote from it concerning the responsibility of the US in dealing with future atomic weapons.

Churchill, Winston. "Quote about the bombing." Manhattan Project Heritage Preservation Association. Web. 1 Feb. 2012. <<http://www.mpha.org>.>

I used the following quote by Winston Churchill to express his views on the bombing of Japan. "To avert a vast, indefinite butcher, by a few explosions seemed after all our perils and tolls, a miracle of deliverance."

"Einstein and Fermi image." Web. 2 December 2011. <<http://rchemistry.wikispaces.com/Atom+Bomb>.> Web.

An image of Albert Einstein and Enrico Fermi.

"Enola Gay Crew Interview Newsreel." Motion Picture, Sound, and Video Records Section. Web. 10 Feb 2012. <<http://arcweb.archives.gov/arc/action>.

This was a great website with many historical video clips. I found the newsreel interviewing the crew of the Enola Gay, the airplane that dropped the first bomb, particularly interesting. I used part of the interview that discussed the US should always use the knowledge of this discovery for good and not evil. I found this to be a very profound statement.

"Enola Gay Image." Web. 2 December 2011. <[http://roncoalva.wordpress.com/2011/04/06/284/.](http://roncoalva.wordpress.com/2011/04/06/284/)>

An image of the Enola gay, which was the plane that dropped Little Boy on Hiroshima. I used this image on my home page.

"Frontpage image of Brainerd Press." Web. 2 December 2011. <<http://astrosurf.com/luxorion/qs1-ham-history9.htm>.>

This is an image on the front page of a newspaper.

Frost, Robert. "Poem about the bombing." The Manhattan Project Heritage Preservation Association. Web. 1 Feb. 2012. <<http://www.mpha.org>.>

This website had numerous quotes related to the Manhattan Project. The entire website is devoted to preserving information about the Manhattan Project. I used a quote the poet Robert Frost wrote about the bomb.

"Fujita, Masanori Gene interview." The Hiroshima Hibakusha Interview Committee of Seattle Hiroshima Club. Web. 5 February 2012.

This is a video of a Hiroshima survivor describing the aftermath of the bombing of Hiroshima. I used some of his interview in my perspectives page in my website to show various viewpoints on the bombing.

Groves, L. R. "Document 53: Memorandum from General L. R. Groves to the Chief of Staff, August 6, 1945, Top Secret." The National Security Archive. Web. 14 October 2011.

This was a report from Groves to the Chief of Staff about the impact and detonation that immediately killed 70,000 with many dying later of radiation sickness of Little Boy.

Groves, L. R. and Lt. Col. Rea. "Document 76: Memorandum of telephone conversation between General Groves and Lt. Colonel Rea, Oak Ridge Hospital, 9:00 a.m., August 28, 1945, Top Secret." The National Security Archive. Web. 14 October 2011.

This was a telephone conversation between General Groves and Lt. Col. Rea. They both had interesting opinions. They actually said to each other that the broadcasts from Japan was just propaganda. From this document I realized even our top officials really had no idea just how destructive and deadly the bombs were. I included this document in my site.

Groves, L. R. "Document 36: Memorandum from General L. R. Groves to Secretary of War, "The Test", July 18, 1945, Top Secret, Excised Copy." The National Security Archive. Web. 14 October 2011.

This source was a detailed account of the Trinity Test that took place near Alamogordo, New Mexico on July 16. General Groves informed Sec. of War Stimson who was then at Potsdam of the test's success.

Harrison, George L. "Document 35: Cable war 33556 from Harrison to secretary of war, July 17, 1945, Top Secret." The National Security Archive. Web. 14 October 2011.

This source was an encoded message from Harrison to Stimson reporting on the success of the Trinity test. I found it interesting how secretive much of the communication was during this time. It gave me an understanding how important this information was to the US at this time.

"Hiroshima images." Web. 2 December 2011. <<http://jasonkarpf.wordpress.com/2010/08/06/the-atomic-press-release-2>>.

An image of the explosion at Hiroshima.

“Human Frailty Image, Hiroshima.” Web. 2 December 2011.
<<http://www.asianews.it/index.php?!=en&art=15944&size=A>.>

This is an image of Japanese refugees after the bombing of Hiroshima.

“Image of the destruction in Hiroshima.” Web. 24 March 2012.
<<http://news.discovery.com/history/hiroshima-atomic-bomb-anniversary.html>.>

I used this image on my reactions page to convey the utter devastation that Hiroshima suffered and to show a contrast in the reaction between the allies and Japan.

“Image of sailor kissing nurse on V-J day.” Web. 21 March 2012.
<<http://www.libertarianrepublican.net/2010/06/gina-elise-pin-up-for-vets-on-passing.html>.>

This is a famous photo of a sailor kissing nurse Gina Elise on the Victory over Japan day in 1945. I used it on my reactions page to help show the emotional reaction our troops had as they came home from the war.

“Little Boy image.” Web. 2 December 2011. <<http://bldgblog.blogspot.com/2009/11/bomb-grid.html> >.

This was an image of the bomb known as “Little Boy”.

Low, David. “Baby Play with Nice Ball (9th August, 1945)”. Web. 23 March 2012.
<<http://www.spartacus.schoolnet.co.uk/2WWpotsdam.htm>.>

This is a political cartoon I used on my thesis page to go along with the quote, “The world has achieved brilliance without wisdom, power without conscience. Ours is a world of nuclear giants and ethical infants.” by Omar Bradley who was a U.S. Army field commander in WWII. It helped convey the dramatic tone of my website.

“Main Gate Los Alamos.” Web. 2 December 2011.
<<http://alum.mit.edu/pages/sliceofmit/2010/05/20/manhattan-project/>.>

An image of the main gate at Los Alamos.

Nichols, Kenneth D. “The biggest S.O.B.” Ed. Cynthia C. Kelly. *The Manhattan Project*. New York: Black Dog and Leventhal Publishers, 2007. 121. Print.

This book was a series of essays written by people associated with the Manhattan Project. I got different perspectives of what it was like to be involved with the project. It had essays written by scientists, military officials, spouses, and children. I used a quote from Col. Nichols who was a District Engineer for the project in Oak Ridge and who worked directly with Gen. Groves. I thought it was important to help the reader visualize who Gen. Groves really was.

"Obama Report on Iran Nuclear Pressure." Video. Web. 10 February 2012.
<<http://www.alarabiya.net/articles/2011/11/03/175223.html>.>

This was a video clip of President Obama and the French President discussing Iran's nuclear capabilities and sanctions against Iran. I downloaded the video to my website. I used it to show reform.

Oppenheimer, Robert J. "J. Robert Oppenheimer Now I am become death..." Web. 20 Nov. 2011.
<<http://www.atomicarchive.com/Movies/Movie8.shtml>.>

"We knew the world would not be the same. A few people laughed, a few people cried, most people were silent. I remembered the line from the Hindu scripture, the Bhagavad-Gita. Vishnu is trying to persuade the Prince that he should do his duty and to impress him takes on his multi-armed form and says, "Now, I am become Death, the destroyer of worlds." I suppose we all thought that one way or another."

This statement and video made me feel deep emotions and the gravity of the effect on Oppenheimer. It compelled me to write the project in the way presented.

"Petition to the President of the United States, July 17, 1945, Miscellaneous Historical Documents Collection." Truman Library.org. Web. 25 March 2012.
<http://www.trumanlibrary.org/whistlestop/study_collections/bomb/large/index.php.>

This document is the letter that Leo Szilard and sixty-nine other scientists signed and sent to Truman asking him not to use the bomb. It allowed me to see that even though the scientists were glad their discovery had worked, but truly did not want it used on people. This was reiterated to me in my interview with Robert Carter. I used it to show their perspectives.

"Potsdam Declaration – Proclamation Defining Terms for Japanese Surrender, Issued at Potsdam, July 26, 1945." National Diet Library – Birth of the Constitution of Japan. Web. 20 March 2012.
<<http://www.ndl.go.jp/constitution/e/etc/c06.html>.>

This was the only complete copy I could find of the Potsdam Proclamation that was issued by the U.S. in July of 1945. It gave the terms and conditions that the allies wanted Japan to comply with when they surrendered. At first Japan refused, which is why we used the atomic bombs on them. After the bombings, Japan decided they had better surrender under these agreements. I thought it would be useful to include a copy of it in my site to help build background knowledge and historical significance.

"Press release by the White House, August 6, 1945. Subject file, Ayers Papers." Web. 11 Feb. 2012.
<<http://www.trumanlibrary.org/>.>

The Press release read by President Truman on August 6, 1945 describing the atomic bomb and the bombing of Hiroshima to the American people. I took two quotes from it and attached it as a primary document to my website.

Roosevelt, Franklin D. "Quote from F.D.R." "219075.Franklin_D_Roosevelt." The good reads.com. Web. 20 Nov. 2011.

A quote from F.D.R., "Great power involves great responsibility." I used this on my thesis page.

Stimson, Henry. "Press Release by Henry Stimson, August 6, 1945. Subject File, Ayers Papers." Truman Library.org. Web. 20 March 2012.

This document by Henry Stimson, Secretary of War in 1945, was the press release explaining most aspects of the Manhattan Project. It gave a great summary of exactly what the project was, who was involved, what it had to remain a secret, all the companies and people involved in it, and how the government was planning to continue with their research in the area after the war. It also dealt with what the government was going to do to try to control the risks associated with this new knowledge. I used a quote from under article V. from the document to show that this technology could be both positive and negative.

"Treaty on the Non-Proliferation of Nuclear Weapons, entered into force March 5 1970." Nuclear Files. Org. Web. 21 March 2012. <http://www.nuclearfiles.org/menu/library/treaties/non-proliferation-treaty/trty_npt_1970-03-05.htm>

After reading about the Non-Proliferation Treaty in other sources, I wanted to read the entire copy of what it actually included when discussing how countries were going to control the nuclear stockpiles they had. It helps to show what reform was done early in the arms race and continues to be the foundation for future treaties today.

Truman, Harry S. "Harry S. Truman: Special Message to the Congress on Atomic Energy." Intellectualtakeout.org. Web. 27 March 2012. <<http://www.intellectualtakeout.org/library/primary-sources/harry-s-truman-special-message>>

I used a quote from President Truman that he gave on October 3, 1945 in an address to congress about how revolutionary atomic energy really is. He said, "The discovery of the means of releasing atomic energy began a new era in the history of civilization. The scientific and industrial knowledge on which this discovery rests does not relate merely to another weapon. It may some day prove to be more revolutionary in the development of human society than the invention of the wheel, the use of metals, or the steam or internal combustion engine." I thought this would be a fitting end to my project.

Truman, Harry. "Statement by President Truman August 6, 1945" Trinity Atomic website. Web. 25 October 2011.

This was Truman's exact speech to the people of the US letting them know about the bomb and how we dropped it on Hiroshima.

"Truman: Japan Surrenders Newsreel" Motion Picture, Sound, and Video Records Section. Web. 10 Feb. 2012. <<http://arcweb.archives.gov/arc/action>.>

A video clip announcing Japan's surrender. I used this video clip in my website. I also found an interview with the crew of the Enola Gay, which I used part of in my website.

Secondary Resources

"65 Years Later, Scientist Recalls Top Secret Work on Manhattan Project." 19 Feb. 2011. FoxNews.com. Web. 19 March 2012. <<http://www.foxnews.com/scitech/2011/02/17/manhattan-project-member-recollects-secret-work/>>

This article introduced me to who Robert Carter is. He is a nuclear physicist who worked on the Manhattan Project. He lives in Maryland and is 92 years old. He is one of the last living scientists who worked on the project. From this article I got the idea to request an interview with him to include on my site.

Adams, Simon. *Eyewitness Books World War II*. New York: DK Publishing Inc., 2007. Print.

This source gave me a little more information that I didn't already know. It gave me a good estimate of how many people died when the bombs exploded, about 200,000 instantly from both bombs.

Anderson, Dale. *The Atom Bomb Project*. Milwaukee, WI: World Almanac library, 2004. Print.

This gave me a little more background information, but more of how the bombs were built and how they decided to name them. It also gave good examples of what the benefits of dropping the bombs on Japan.

Baker, Peter and Dan Bilefsky. "Russia and U.S. Sign Nuclear Arms Reduction Pact." *The New York Times*. 8 April 2010. Web. 25 March 2012. <<http://www.nytimes.com/2010/04/09/world/europe/09prexy.html>.>

This article from 2010 was about the treaty agreement between Russia and the U.S. on arms control and how they wanted to handle relations against Iran's nuclear program. It gave me current information about new treaties dealing with atomic weapons and how Iran's nuclear program impacts the U.S. I used this article in my reform section to show how relevant the topic is even today.

Bellis, Mary. "Robert Oppenheimer – Manhattan Project." About.com.Guide. Web. 22 March 2012. <<http://inventors.about.com/od/ostartinventors/p/Oppenheimer.htm>.>

I read a biography page on Robert Oppenheimer to gain information on who he was and what his background was like. I decided to add it to my site so when someone read his name, they could click on it and it would go to a page with information about him. I thought it would be good idea for people to understand his qualifications with heading up this project.

Burr, William. "The Atomic Bomb and the End of World War II." The National Security Archive. Web. 14 October 2011.

This article didn't give me much information itself, except for the list of questions to think about in furthering my research such as did Truman authorize the use of atomic bombs to intimidate the soviets or to force Japan to surrender and bring the war to an early end. The site did give me access to a list of documents that are primary resources actually from that time, most of them were written by very important figures from that time.

Carroll, Dennis J. "Manhattan Project Scientist returns for 90th birthday salute and history lessons for his family." 18 July 2010. Santa Fe New Mexican.com. Web. 19 March 2012.
<<http://www.Santafenewmexican.com/LocalNews/Atomic-bomb-role-revealed-at-last-Manhattan-Project-scientist>>

This article on Robert Carter, a physicist who worked on the Manhattan Project gave me background information on him and a picture of him so I would know a little bit about who he was before I interviewed him.

Chrisp, Peter. *World War II Fighting For Freedom: The Story of the Conflict That Changed the World*. New York: Scholastic Inc. 2010. Print.

This book gave me a lot of information about all aspects of World War II, from the conflicts at the beginning in 1939 all the way to using the atomic bomb in 1945. I was able to understand different viewpoints about the war and also what it was like in the short years after the war. It gave me a deeper understanding about war.

Dowswell, Paul. *The Usborne Introduction to the Second World War*. New York: Scholastic Inc., 2005. Print.

This source may not have given me a lot of information that I didn't already have, except it gave me very interesting information. For example why Fat Man did less damage to Nagasaki even though it was more destructive than Little Boy than Little Boy did to Hiroshima, or why Nagasaki was chosen as a target.

"Fission bomb assembly image." Web. 2 Dec. 2011. <<http://www.boerner.net/jboerner/?p=19606>>

An image of how each bomb worked and was designed.

Garmon, B. Lucille. "Manhattan Project" Pg. 141 World Book M 13 2005 Edition. Chicago: World Book Inc., 2005. Print.

This gave me some background knowledge, where the building and research took place and where and when the first successful bomb was exploded, near Alamogordo, New Mexico. It was the beginning of my research.

Gearan, Anne. "Obama's goal of nuclear security still far off." *The Associated Press*. Web. 23 March 2012. <<http://www.npr.org/templates/story/story.php>.>

This article was about the effort to safeguard nuclear materials from terrorists that the Obama administration is trying to do along with other cooperating nations, and the fact that the progress on this is still very slow and dangerous with Iran and North Korea. I used this article to show the reforms that are still ongoing even today and will continue to be as emerging countries and terrorists are more likely to get a hold of this nuclear material.

Gonzales, Doreen. *The Manhattan Project and the Atomic Bomb*. Berkeley Heights, NJ: Enslow Publishers Inc., 2000. Print.

This source gave a vivid description of how thousands of people were deceived, including the vice president until he became president. It explained how they chose the Los Alamos site, how nuclear fission works, and the benefits of the Manhattan Project. It fully described what the explosion of the atomic bomb was like, what it did when it hit and the people's reaction.

Grier, Peter. "Obama seeks to calm US radiation fears, calls for nuclear safety review." *The Christian Science Monitor*. 17 March 2011. Web. 26 March 2012. <<http://www.csmonitor.com/USA/Politics/2011/0317/Obama-seeks-to-calm-US-radiation-fears>.>

This article discussed what the US was doing to help Japan after their nuclear crisis. It summarized a speech Obama gave concerning the safety of US reactors. I pulled a quote Obama said, "Our nuclear power plants have undergone exhaustive study and have been declared safe for any number of extreme contingencies. But when we see a crisis like the one in Japan, we have a responsibility to learn from his event and to draw from those lessons to ensure the safety of our people."

Holmes, Richard Consulting editor. *The Definitive History World War II: From Blitzkrieg To The Atom Bomb*. London: DK Publishing. 2009. Print.

This was a wonderful book with information about all aspects of World War II. It even gave me information about the years leading up to the war from 1914 – 1938. I was able to understand what was happening in the world prior to World War II. It included

detailed timelines, maps, photographs, etc. I got a lot of information on the Potsdam Conference which led to the Potsdam Declaration as well as how the rebuilding of the various countries took place after the war.

Kovan, Dick. "2012 Preview: Impact of Fukushima Daiichi on Global Prospects for Nuclear." *Nuclear News*. Vol. 55, Number 1. January 2012. Pgs. 50 – 53. Print.

I got background information about how countries are dealing with safety issues of their own nuclear plants after watching what happened in Japan with their reactors and the Japanese Tsunami. Some countries such as Germany and Switzerland are phasing out their nuclear programs entirely while other countries are cutting back the growth of that industry. It allowed me to make a few comments in my analysis section regarding the safety of nuclear energy.

Kristensen, Hans and Robert Norris. "World Nuclear Stockpile Report." *Ploughshares Fund*. 6 March 2012. Web. 23 March 2012. <<http://www.ploughshares.org/world-nuclear-stockpile-report>.>

This is a current report on the estimated amount of nuclear weapons inventories. I used a graph from it for visual effect for the need for ongoing reform.

Lifton, Robert J. *Death in Life Survivors of Hiroshima*. North Carolina Press, 1991. Print.

I got a quote of a Hiroshima survivor from this book describing what it was like when the bomb exploded. I used to convey a reaction to the bombing.

Loeber, Charles R. *Building the Bombs: A History of the Nuclear Weapons Complex*. Albuquerque, NM: Sandia National Laboratories, 2002. Print.

It gave me a quote from Leslie Groves and information about the aftermath, the reaction and reforms, and if we should or shouldn't have dropped the bombs on Japan.

"Manhattan Project" Web. 2 Dec. 2011. <<http://photos.aip.org/quickSearch.jsp?group=80&qsearch=oj>.>

Multiple photos, Fat Man image, damage at Hiroshima Image, Oppenheimer, J. Robert; Groves, Leslie Richard Date: circa 1945; trinity explosion, Nagasaki explosion.

"Map of Manhattan Project sites." Web. 24 March 2012. <http://www.enotes.com/topic/Manhattan_Project.>

I wanted to include a map to show where all the site locations were that were associated with the Manhattan Project. It showed that the Project really included all areas of the U.S. I used it to help the reader of my site see just how large this project was and what areas of the U.S. were impacted by it.

McCullough, David. *Truman*. New York: Simon and Schuster. 1992. Print.

This book on Harry Truman was huge with many photos. I only read certain parts in it pertaining to the Potsdam Conference and the sections about Truman and WWII. I used the caption: "July 1945: Prime Minister Winston Churchill, President Truman, and Generalissimo Joseph Stalin, "The Big Three," meet at Potsdam, Germany." to go with a photo of the three of them I found on the web.

"Nuclear Power in the USA", Based originally on NAC Emerging Issues, May-June & Sept 2000. Web. 27 Nov. 2011. <<http://www.world-nuclear.org/info/inf41.html>.>

I learned about how much nuclear energy the U.S. uses and how many power plants we have.

"Nuclear World Fleet Graph." Machine-History.Com. Web. 26 March 2012. <<http://www.machinehistory.com/Nuclear%20Reactor>>

I used a graph from this website to show that in 2009 there were 435 nuclear reactors working in 31 countries producing about 15% of the world's electricity consumption.

Obszanski, Suzanne. "Americas Renewed Debate on Nuclear Power." Web. 12 Feb. 2012. <<http://blog.juggle.com/tag/nuclear-power/>.>

This was a blog about the debate on nuclear power. I got a map of the locations of nuclear power plants in the U.S.

Rosenberg, Aaron. *Profiles World War II*. New York: Scholastic Inc. 2011. Print.

This book gave short biographies of six key figures of World War II. I read about Franklin D. Roosevelt, Josef Stalin, Winston Churchill, Adolf Hitler, Dwight D. Eisenhower, and Emperor Hirohito. It gave me background information on each person so I could better understand their perspective on the war.

Stein, R. Conrad. *The Manhattan Project*. Chicago: Children's Press Inc., 1993. Print.

This source contained vivid information about who the important people were and why they created the Manhattan Project. It stated what materials were used and where the first nuclear reactor and chain reaction took place. I learned that graphite in pencil lead can deflect speeding neutrons. I even discussed how after the Germans had been the first to split the atom, Hitler Had steered Germany away from nuclear science.

Voinovich, George V. "Making the Nuclear Renaissance a Reality." *Nuclear News*. Vol. 51, Number 3. March 2008. Pgs. 13 – 16. Print.

This journal article by Ohio senator George Voinovich gave me information on the political climate regarding nuclear power and how it has changed over the years. It discussed that the population in general is concerned over safety issues but the Energy

Act of 2005 helped increase interest in developing this area even more. I pulled a quote from the article about the fact that as of 2008, 70% of the nation's emission free generation portfolio comes from nuclear power plants.

Wagner, Melissa and Dan Bryant. *The Big Book of World War II*. Philadelphia, PA: Running Press Classics, 2009. Print.

This source acknowledged the amount of people employed, and the cost of the Manhattan Project which was close to 2 billion dollars at that time. I learned about the pilot, Paul Tibbits, and the plane the Enola Gay that was used to drop Little Boy. I also gained information on Japanese Emperor Hirohito's surrender which was broadcast.