Researching Nuclear Chemistry

For this research project you will work with two other students to investigate a topic in the area of nuclear chemistry. After using at least **three** sources that you cite correctly, your group will create an electronic timeline of **fifteen** slides using the Web 2.0 tool Timetoast to share your information with the class in a presentation at least **four minutes** long.

Your group will research the following aspects of your topic:

- Important dates surrounding your topic
- An in-depth description that includes what it is known for or what happened
- A location for where the event occurred or where it is used or found in the world
- An explanation of how the topic relates to nuclear chemistry which is
    - The area of chemistry that is concerned with nuclear reactions
    - The study of the nucleus of an atom and all of its changes, such as fission.
    - The discovery of radioactive elements in nature as well as the synthetic production.
- Reasons why people should care about this topic

Possible topics:

1. Argonne National Lab
2. Yucca Mountain Nuclear Waste Repository
3. CERN- European Organization for Nuclear Research
4. Cuban Missile Crisis
5. Fermilab in Batavia, Illinois
6. Fusion and the sun
7. Tokaimura Nuclear Accident
8. Braidwood Generating Station
9. Fukushima Daiichi Nuclear Disaster
10. Radiation Therapy
11. Hydrogen Bomb
12. Chernobyl Nuclear Disaster
13. Three Mile Island Nuclear Disaster
14. Carbon dating uses and limitations
15. Dresden Generating Station
16. The Manhattan Project and the atomic bomb
17. Radon: dangers in the home and radon testing
18. Nuclear power plants in the United States except for Three Mile Island
19. Nuclear powered transportation