Physical Science

Hollis

**Atomic Theory Timeline**

**Purpose:** By completing this activity, students will learn how the understanding of the atom progressed

 throughout history and how scientific models change with the introduction of new evidence.

**Requirements:**

1. **Create a timeline of atomic theory.**

\*\*\*It must be an actual, physical timeline, not just an outline listing the events.

 -Can be made through google slides, prezi, powerpoint, or any other acceptable online platform that is sharable.

1. **Include the following scientists:**

**Bohr Chadwick Dalton**

**de Broglie Democritus Goldstein**

**Rutherford Schrodinger Thomson**

1. Include the following information for each scientist:
	* **Date** – What was the time or year of the scientist’s work concerning the atom?
	* **Observations/Experiments/Evidence** – Describe or explain what observation, evidence, or experiment the scientist used to devise his theory of the atom.
	* **Pictures**- A valid picture for each slide
	* **Discoveries/Conclusions** – Explain what discovery or conclusion the scientist came to about the atom. What was his atomic theory?
	* **Contribution** – Explain how the scientist helped in the development of atomic theory. How did his work contribute to the theory? What did his experiment/discovery/conclusion do for the theory? Think about the larger picture and how the theory progressed as a result of his work
2. Bonus: Draw a diagram of the scientist’s model of the atom for Democritus, Dalton, Thomson, Rutherford, Bohr, and Schrodinger. (Up to 6 pts)
3. You may use the library, the internet, or other credible sources to research the information needed to complete the timeline.

**Grading:**

7 pts for each scientist

12 pts for the physical timeline

**75 points total for the project**

**Due Date: In class on Monday 9/10, You will be given ample class time to complete this project. (3 Classes) You will turn in via google classroom, I will create an assignment!!!!!!**