Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Technical Science – Chemistry Common Task 1

Atomic Theory Scientists

**Purpose:** The purpose of this common task is to research and present information about a scientist who contributed to our understanding of the atom and to create a profile about him/her.

**Grade Span Expectation: PS1 2a.** Use given data (diagrams, charts, narratives, etc.) and advances in technology to explain how the understanding of atomic structure has changed over time.

**Instructions:** You will randomly select a scientist who has contributed to our understanding of the atom. Your task is to research the contributions of this scientist as they relate to the current atomic theory. You will then create a “Facebook-style” profile of this scientist. Your profile must include:

* Photograph of the scientist
* Photo or drawing of the atomic model
* Personal information: date and country of birth, family history, educational background, etc.
* Professional information: accomplishments, discoveries, theories, laws, etc.
* “Friends:” influences, colleagues, and coworkers of your scientist

The personal and professional information that you choose to display about your scientist will be presented in the form of a “wall post” on your Facebook profile. Your profile will be on an 8 ½” x 11” piece of paper that will form a segment of a class timeline. You will share your findings with the class in a 1-2 minute presentation. Your scientific abstract will be a brief paragraph (approximately 150 words) that describes the data and technology that your scientist used to influence our understanding of the atom. The template for the Facebook profile is available on my website: dthibodeau.weebly.com

**Grading:**

Profile: \_\_\_\_\_\_\_\_\_\_\_/25 Abstract: \_\_\_\_\_\_\_\_\_/25 Total:\_\_\_\_\_\_\_\_/50

Note: This common task is worth 100 points of the 1st quarter grade.

**This common task is portfolio-proficient:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Profile:**

|  |  |  |
| --- | --- | --- |
| Criteria | Points Possible | Points Received |
| Photo of scientist | 5 |  |
| Photo of model | 5 |  |
| Personal/Professional Information | 10 |  |
| Neatness | 5 |  |
| TOTAL | 25 |  |