**Description of Task:** For this assignment you are going to explore the concepts surrounding the atom and gain an understanding of the Particulate Nature of Natter.

The following technical definition of the particulate nature of matter will guide you as you explore. Your goal is to break down this definition into an easier to understand presentation. Your presentation can take many different forms. **You will need to seek approval for your presentation plan by Ms. Moore by Monday 10th (written down with both partner’s names and submitted)**

**The Blogs/Padlet/Activities due: Monday 10th and the Presentation Product due Thursday 13th.**

***Particulate Nature of Matter:*** *The particulate nature of matter means that all matter is made up of particulates. Example particulates are atoms and molecules. Atoms and molecules chemically bond and exist in phases and states of matter that are the building blocks of all the things around us. Matter comes in states such as gases, liquids, solids, and plasma.*

**Assignment Requirement (Where to start):** Start by visiting each Page under the Atom and Matter Project Tab. Complete the activities and watch the videos under the Atoms tab and under the Phases of Matter Tab.

You should take notes and organize the information that you learn throughout this process because you will need it to complete the requirements of this unit (these are listed below)

*(These notes will go on the left side since they are Project Notes not Class Notes)*

**Blogging Requirements:** You are expected to complete at least 2 blogs, one on atoms and one on matter as a pair on CreativeChemistry

As a pair you should also response to 3 classmates’ blog posts on CreativeChemistry

Your posts will be evaluate for thought, so please make sure you put in effort to show what you learned

Please be respectful of your peers thoughts and feelings when responding to their posts

**Discussion/Padlet Requirements:** You will be expected to contribute to the Padlet wall (located on the Blogging Space for Students Page) at least 3 times throughout this unit as a pair

You can share something interesting you learned, a source or website you used that was useful, or pose a question to your classmates. All postings much be relevant to the Atoms and Matter topic

**Presentation Requirements:** Your presentation must explain what you have learned throughout this unit and a breakdown of the technical definition of the Particulate Nature of Matter

You should try to use technology in some way (PowerPoint, Video, Popcorn, Podcast, etc.) --**See the Resources Page for tools and ideas**

Your goal is to be engaging and to teach your classmates what you learned in a clear and concise way.

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| **Presentation Rubric for Particulate Nature of Matter Project** |
| **Students Name:** |  |
| **Project Form:** |  |
| **CATEGORY** | **4** | **3** | **2** | **1** |
| ***Research****Students’ Project….* | **…used reliable resources and made fair references to each source throughout presentations. At least two additional references outside of the class website were used.** | **….made reference to some sources most of the time but may have only used 1 outside class website source or may have not clearly given credit to each source appropriately.** | **….used class website but did not make use of outside class website sources.** | **….did not clearly use sources from the class website or outside of class website.** |
| ***Presentation Product****Students’ Project….* | **…final presentation product showed organization of ideas and concepts. Contained at thorough breakdown of the technical definition and included examples that make the presentation very each to understand and comprehend.** | **…. final presentation product showed organization of ideas and concepts but had a couple of hazy points that were unclear. Contained at adequate breakdown of the technical definition that was relatively easy to understand and comprehend.** | **…. either did not break down the technical definition or did not clearly organize the information in their final presentation product.** | **….had large gaps in the organization of their presentation and their technical definition was not present or very unclear.** |
| ***Accuracy of Information****Students’ Project….* | **…. had nearly all facts that were accurately portrayed and explained** | **….had a few inaccuracies but they were not glaring and did not detract from the overall presentation.** | **….had quite a few inaccuracies that distracted from the overall presentation.** | **….had many inaccuracies.** |
| ***Originality****Students’ Project….* | **….created unique work and had creative examples/explanations that really explained the material in an innovative way.** | **…showed some originality throughout the work but often was just synthesizing the works of others.** | **….showed little original work that was unique in nature.** | **….did not show any original work, used figures, explanations, and examples that were created by others.** |