**ARC Week at Glance—Mrs. Hiatt**

**Topic:** Properties of Matter **Course:** Physical Science **Grade:** 11 **Dates:** 9/2-9/5

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|  | **Learning Target****(I am learning about…)** | **Criteria for Success****(I can…)** | **Activation/ Instruction** |  **Collaboration/ Guided Practice** | **Independent Learning/ Assessment** |
| *(Include at least one/two formatives\*in any part of the lesson as needed)* |
| **Monday** |  |  |  |  |  |
| **Tuesday** | I am learning about elements and the periodic table. | I can…* Use the periodic table to identify various qualities of an element.
* Analyze the periodic table to interpret data given
* Determine the number of subatomic particles present in different ions and isotopes
 | Whiteboard do nowDraw and label an atom of helium (think back to the phet lab)Review atoms basics, ions, isotopes, How elements gain or lose electrons to form ions (cations, anions)Valence Electrons | Walk through Family TiesPractice Ions and Isotopes Worksheet | Independent working on ions and isotopes worksheetColor Coded Periodic Table Finished for Homework |
| **Wednesday** | I am learning about valence electrons and ions formed by main group elements. | I can…* Discuss how elements gain or lose electrons to form ions
* Predict the charges of ions formed by main group elements
 | Test Prep Tuesday Do Now—CER (article) | Atom Modeling: Students pick an atom to model and have to change things about it to answer questions, determine its properties, determine ions and isotopesBohr and Lewis | Assessment CheckPredict Charges formed by main group elements Practice |
| **Thursday** | I am learning about locations and properties of metals, non-metals, and metalloids.  | I can…* Compare and contrast the properties of metals, nonmetals, and metalloids
* Research and identify a specific metal, non-metal, or metalloid
 | WIS-WIM Do Now—Summary sentences and Question WritingReview with detailed notes: metals, metalloids, non-metals | Venn diagram comparison Mystery Element Practice | Test Review |
| **Friday** | I am demonstrating understanding of Unit 2A.  | I can…* Interpret and analyze data to demonstrate mastery of atomic structure, the periodic table, ions, and isotopes.
 | FRQ Friday Do NowFree Response construction and self assessment of answer | N/A Summative Assessment | Unit 2A Test |

Literacy Tasks Minor Assessment Major Assessment