**ARC Week at Glance – Meena (S1, W6)**

**Topic: Chemical bonding Course: Physical Science Grade: 9-12 Dates: September 9-12**

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|  | **Learning Target****(I am learning …)** | **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** | *I am learning about chemical bonds.* | *I can…**--Determine the number of valence electrons for an atom.* *--Predict the charge of an ion*. *--describe how an ionic bond is formed.* | *Do Now: List as many things about Sodium as you can based on its location on the Periodic Table. (should know at least 5!)**Recall the valence electrons of each group.**Introduce the concept of ions.* | *Quiz on periodic table.**Slides and student guided notes on ions.* | *Go over the answers from the quiz.* |
| **Tuesday** | *I am learning about chemical bonds* | *I can….**--describe how an ionic bond is formed.**--list the properties of ionic compounds.* | *Do Now: Distinguish as cations and anions from the list of given ions.**Watch a video on ionic bonding.**Explain the attractive force between an anion and cation.* | *Students will complete an assignment on ions.* | *exit ticket: challenge your elbow partner to identify cation/anion* |
| **Wednesday** | *I am learning about chemical bonds* | *I can…**--describe how an ionic bond is formed.**--list the properties of ionic compounds.* | *Do Now: MCQ—justification with explanation.* | *Gizmo activity on ionic bonding.**---instruction to activity a-c**--assist to answer the questions given in the activity.* | *Exit ticket: what interested you in today’s gizmo?* |
| **Thursday** | *I am learning about chemical bonds* | *I can…**-Utilize the criss-cross method to write ionic formulas.* *--Name ionic compounds based on their formula* | *Do Now: Why do ionic compounds include at least one metal?**--discuss the student’s answer with proper reasoning.* | *Worksheet on ionic bonding.* | *Discuss the answers for the given worksheet.* |
| **Friday** | *I am learning about chemical bonds* | *I can…**-Utilize the criss-cross method to write ionic formulas.* *--Name ionic compounds based on their formula* | *Do Now: questions related to naming and writing formulas of ionic compounds.* | *Naming ionic compounds and writing formulas practice.* | *Discuss the answers for the given worksheet* |

**Additional Info: Literacy Task Minor Grade Major Grade Course materials and resources are available in Canvas.**