**ARC Week at Glance – Meena (S1, W7)**

**Topic: Ionic& covalent bonds and naming Course: Physical Science Grade: 9-12 Dates: September 16-20**

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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 the ionic bonds and naming ionic compounds*. | *I can…*  *--describe how an ionic bond is formed.*  *--list the properties of ionic compounds.*  *--name ionic compounds from the name and vice versa* | *Do Now:*  *-What types of elements do ionic compounds occur between?*  *-What is an oxidation number?*  *-What is the rule for how to name an ionic compound?* | *Slides and student notes.*  *--ions and ionic bonds web quest.* | *Exit ticket: what interested you in today’s web quest.* |
| **Tuesday** | *I am learning about the ionic bonds and naming ionic compounds.* | *I can…*  *--describe how an ionic bond is formed.*  *--list the properties of ionic compounds.*  *--name ionic compounds from the name and vice versa.* | *Do Now:*  *-What are the oxidation numbers for Beryllium and Nitrogen?*  *-What is the name of the compound formed between Beryllium and Nitrogen?*  *-What is the chemical formula for that compound?* | *--video on properties of ionic compounds.*  *Ions and ionic bonds web quest and worksheet.* | *Go over the answers for the web quest and worksheet*. |
| **Wednesday** | *I am learning about the ionic bonds and naming ionic compounds.* | *I can*  *describe how an ionic bond is formed.*  *--list the properties of ionic compounds.*  *--name ionic compounds from the name and vice versa.* | *Do Now:*  *-At what ratio will Aluminum and Chlorine form an ionic compound?*  *-What type of elements typically form negative ions? Positive ions?* | *Slides and student notes on naming ionic compounds.*  *Naming ionic compounds assignment.* | *Exit ticket: challenge your elbow partner to name a compound which you specify.* |
| **Thursday** | *I am learning about the covalent bonds and naming covalent compounds.* | *I can…*  *--describe how a covalent bond is formed.*  *--list the properties of covalent compounds.*  *--name covalent compounds from the name and vice versa.* | *Do Now:*  *-What group are the Alkali metals most likely to bond with? Why?*  *-Why do the noble gases not bond with other elements?*  *-Draw a model of the bond between nitrogen and hydrogen using Lewis dot diagrams* | *Gizmo activity – covalent bonding –activity A* | *Discuss the answers for activity A* |
| **Friday** | *I am learning about the covalent bonds and naming covalent compounds* | *I can…*  *--describe how a covalent bond is formed.*  *--list the properties of covalent compounds.*  *--name covalent compounds from the name and vice versa.* | *Do Now:*  *Describe the difference between writing the formulas for ionic and covalent compounds* | *Gizmo activity – covalent bonding –activity B* | *Discuss the answers for activity B* |

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