**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.**