**ARC Week at Glance – Meena (S1, W 8)**

**Topic: Covalent bonding Course: Physical science Grade: 9-12 Dates: September 23--27**

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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 covalent bonding.* | *I can…*  *-Model covalent bonds*  *-Determine the correct formula for a covalent bond based on the number of valence electrons necessary* | *Do Now: connected to content covered in previous classes –ionic Bonding Recap.* | *Explain – Recap on Bonding PPT – Collaborative and Think Pair Share.*  *Elaborate and extend learning experiences for student to apply their knowledge – Worksheet on Bonding* | *Lewis structure worksheet.* |
| **Tuesday** | *I am learning about covalent bonding* | *I can…*  *-Explain and Summarize how covalent bonds are formed.*  *-Name covalent compounds and determine their formula* | *Do Now: connected to content covered in previous classes- Nomenclature.* | *Nomenclature Interactive Notes PPT – Collaborative and Think Pair Share*  *Nomenclature POGIL “Naming Ionic Compounds” --Collaborative and Small Group Activity* | *Exit ticket: Naming and writing formulas of covalent compounds.* |
| **Wednesday** | *I am learning about covalent bonding* | *I can*  *-Describe the properties of covalent compounds (lower melting/boiling points, do not dissolve in water and are poor conductors of electricity.)*  *-Compare and contrast properties of ionic and covalent bonds.* | *Do Now: connected to content covered in previous classes- properties of ionic and covalent compounds*. | *Slides and student notes on properties of covalent compounds.*  *--gizmo on covalent bonding*. | *TOTD: challenge your elbow partner to name and write formulas of covalent compounds.* |
| **Thursday** | *I am learning about covalent bonding* | *I can…*  *-Test different substances for their conductivity and melting point and determine the kind of bond within the compound*  *-Explain why different bonds have different properties* | *Go over lab safety rules.*  *Prepare and instruct students with the procedure. assign groups.* | *Lab on ionic and covalent compounds focusing on melting point and conductivity.* | *Complete the given lab assignment and discuss the post lab questions.* |
| **Friday** | *I am learning about scientific method.* | *I can*  *--Establish a testable question and form the hypothesis for my science fair project*. | *Discuss the students progress with their science fair project.* | *Discuss and Practice distinguishing what a testable question is. Hypothesis Practice: “If…, then…, because…”* | *Exit Ticket: Review the feedback.* |

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