**ARC Week at Glance – Meena (S 1, W14)**

**Topic: States (Phases) of matter Course: Phy.Sci Grade: 9-12 Dates: November 4-8**

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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 types of reaction and balancing equation.* | *I can…**--Demonstrate my understanding on the concept of law of conservation of mass.* | *Review and recall the types of reaction and steps in balancing the chemical equation.* | *Students will administer Unit test: Types of reaction and balancing**(canvas)* | *Remind the reassessment plan if grades are low.* |
| **Tuesday** | *I am learning about the phase of matter as they relate to atomic and molecular motion.* | *I can….* *--Describe the states of matter.**--Classify materials as solids, liquids and gases*. | *Do Now: What difference do you notice in the material you sit on in the class, your drink and your balloon?* | *Discuss the student’s responses as class and introduce the concept of states of matter.**--Describe the states of matter with examples and encourage students to classify their states in a given list.* | *States of matter assignment.**Discuss the answers in groups.* |
| **Wednesday** | *I am learning about the phase of matter as they relate to atomic and molecular motion.* | *I can…**--Explain the behavior of gases, liquids and solids using kinetic theory.* | *Do Now:**--Which of the boxes is denser? Why?* | *Power point -kinetic theory of matter.**--explain and discuss the behavior of solids, liquids and gases.* | *Page 74—section 3.1 –assessment.* |
| **Thursday** | *I am learning about the phase of matter as they relate to atomic and molecular motion.* | *I can…**--Describe the phase changes.**-explain how temperature can be used to recognize a phase change.**-Describe each of the six phase changes.* | *Do Now:**--Describe the change in the motion of particles as a liquid heat up and begins to evaporate.* | *Slides on phase changes.**Discuss the terms evaporation, condensation, freezing, melting and sublimation.* | *Phase changes –assignment/ phet simulation.* |
| **Friday** | *I am learning about the phase of matter as they relate to atomic and molecular motion.* | *I can….**Explain what happens to the motion, arrangement and average kinetic energy during phase changes.**-Identify phase changes as endothermic or exothermic.* | *Do Now:**--List the states of matter in order from least amount of energy to greatest.**--Name the phase change between the following states of matter and if energy is added or removed:**-Solid to liquid* *-Liquid to gas* *-Gas to liquid**-Liquid to Solid*  | *Phet simulation – phase of matter basics and phase changes.* | *Page 90—section 3.3---assessment.* |

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