**ARC Week at Glance – Meena (S2, W9)**

**Topic: Newton’s law of motion Course: Phy.Science Grade: 9-12 Dates: March 3--7**

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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 Newton’s law of motion.* | *I can…*  *-Identify Newton’s 3 Laws of Motion*  *-Apply Newton’s Laws to everyday scenarios.* | *Do Now: Recall and review questions.* | *Newtons law ppt and student notes.* | *Unit 5—Pre-Test*  *Electromagnetism project.* |
| **Tuesday** | *I am learning about Newton’s law of motion.* | *I can…*  *-Identify Newton’s 3 Laws of Motion*  *-Apply Newton’s Laws to everyday scenarios.* | *Do Now: Claim evidence reasoning questions* | *Continuation of newtons law ppt and notes.* | *Newton’s law worksheet* |
| **Wednesday** | *I am learning about Newton’s law of motion.* | *I can…*  *-Define and apply Newton’s 3 laws of motion to different scenarios.*  *Define inertia.* | *Do Now: multiple choice questions with reasoning.* | *Newtons law phet lab* | *Lab hand out –collecting data* |
| **Thursday** | *I am learning about Newton’s law of motion.* | *I can..*  *apply the Newton’s laws to solve problems involving motion, and recognize the relationship between force, mass, and acceleration.* | *Do Now: Math/data analysis practice.* | *Newton’s law phet lab continuation.* | *Lab hand out—interpreting data.* |
| **Friday** | *I am learning about Newton’s law of motion.* | *I can..*  *distinguish between balanced and unbalanced forces, and identify action-reaction pairs in everyday situations.* | *Do Now: multiple choice questions with reasoning.* | *Discuss the difference between balanced and unbalanced forces,* | *Finishing phet simulation lab.* |

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

**ARC Week at Glance – Meena (S2, W9)**

**Topic: Empirical and molecular formula Course: AP Chemistry Grade: 9-12 Dates: March 3-7**

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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 stoichiometry.* | *I can--- Demonstrate understanding on interpreting a balanced chemical equation in terms of quantities like moles, mass and volume* | *Do Now: Review for the test on stoichiometry*. | *Recall Dimensional analysis method to relate number of moles, mass of two substance in a balanced equation.* | *Unit Test—Stoichiometry.* |
| **Tuesday** | *I am learning about stoichiometry.* | *I Can..*  *--Identify limiting reactants in a chemical reaction.* | *Do Now: Recall and review questions.* | *Limiting reactant video and notes.* | *Limiting reactant assignment.* |
| **Wednesday** | *I am learning about stoichiometry.* | *I Can..*  *--Determine the empirical formula of a compound, given its percentage composition.* | *Do Now: Claim evidence reasoning questions* | *Percent composition instruction and notes.* | *Percent composition assignment*. |
| **Thursday** | *I am learning about stoichiometry.* | *I can…*  *--Determine the molecular formula of a compound, given its empirical formula and molar mass.* | *Do Now: Math/data analysis practice.* | *Empirical and, molecular formula ppt and student notes.* | *Empirical formula and molecular formula worksheet* |
| **Friday** | *I am learning about stoichiometry.* | *I Can…*  *--Determine the molecular formula of a compound, given its empirical formula and molar mass.* | *Do Now: multiple choice questions with reasoning.* | *Empirical and, molecular formula ppt and student notes* | *Empirical formula and molecular formula worksheet* |

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