**ARC Week at Glance – Meena (S2, W3)**

**Topic: Types of Energy &Transformations Course: Phy.Sci Grade: 9-12 Dates: January21-24**

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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 energy and transformations.* |  | *MLK HOLIDAY* |  |  |
| ***Tuesday*** | *I am learning about energy and transformations* | *I can…*  *Accurately identify and define different types of energy.* | *POWER UP –ASYNCHRONOUS DAY* |  | *Ed puzzle video—types of energy* |
| ***Wednesday*** | *I am learning about energy and transformations* | *I can…*  *How energy can be transformed from one form to another.* | *POWER UP—ASYNCHRONOUS DAY* |  | *Ed puzzle video—energy transformations.* |
| ***Thursday*** | *I am learning about energy and transformations* | *I can…*  *-Name the different types of energy ·*  *--Describe how energy flows from one form to another in consequential order* | *Do Now: MCQ’S and justification.* | *Energy transformations brainstorm—group work.*  *Presentation of their examples/ gallery walk.* | *Exit ticket: write one thing that you understood in today’s assignment.* |
| ***Friday*** | *I am learning about energy and transformations* | *I can… · Explain how molecular motion relates to thermal energy changes · Compare and contrast conduction, convection, and radiation* | *Do Now: Review questions and explanation on types of energy and transformations.* | *Forms of thermal transfer –differentiating conduction, convection and radiation.* | *Assessment check—energy transformations.* |

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

***ARC Week at Glance – Meena (S2, W3)***

***Topic: net ionic equation Course: AP Chemistry Grade: 9-12 Dates: January 21-24***

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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 chemical reactions.* |  | *MLK HOLIDAY* |  |  |
| ***Tuesday*** | *I am learning about chemical reactions.* | *I can…*  *Write the ionic equation for single and double replacement reactions.* | *POWER UP—ASYNCHRONOUS DAY.* |  | *Net ionic equation-I do,we do, you do.* |
| ***Wednesday*** | *I am learning about chemical reactions.* | *I can…*  *Write the ionic equation for single and double replacement reactions* | *POWER UP--- ASYNCHRONOUS DAY* |  | *Net ionic equation –Ed puzzle video* |
| ***Thursday*** | *I am learning about chemical reactions.* | *I can*  *--Write net ionic equations for double and single replacement reactions that produce precipitates, gases, or molecular compounds.*  *--Use the solubility rules to predict precipitate formation.* | *Bell ringer: Review writing formulas, balancing etc* | *Power point presentation to help students predict the meaning of the term net ionic equation.*  *--stress the importance of physical states.*  *--help students understand solubility rules thereby identify the precipitate in a double replacement reaction* | *Net ionic equation worksheet* |
| ***Friday*** | *I am learning about chemical reactions.* | *I can*  *--Write net ionic equations for double and single replacement reactions that produce precipitates, gases, or molecular compounds.*  *--Use the solubility rules to predict precipitate formation* | *Bell Ringer: MCQ’S with justification* | *Students will work in small group/ pairs to complete an assignment to write the molecular equation, total ionic and net ionic equation.*  *--discuss the strategy to identify the spectator ions* | *Net ionic equation—college board videos.* |

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