ARC Week at Glance – Meena (S2, W4)

Topic: Types of Energy &Transformations Course: Phy.Sci Grade: 9-12 Dates: January27-31

	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.*	*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.*
Tuesday	*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.*
Wednesday	*I am learning about energy and transformations*	*I can… -· Determine whether a form of thermal energy transformation is conduction, convection, or radiation ·*	*Do now: conduction, convection and radiation –previous day concept.*	*Conduction, convection, radiation classification worksheet.*	*TOTD: What did you understand from today's lesson?*
Thursday	*I am learning about energy and transformations*	*I can… -- Explain how thermal energy is transferred through heat.*	*Do now: MCQ's and justification*	*Introduce the concept specific heat. Specific heat data--Read and analyze the appropriate material for different applications.*	*TOTD: Pick correct material for specific applications.*
Friday	*I am learning about energy and transformations*	*I can… --Test different conductors and insulators to prove specific heat data · Read and analyze specific heat data*	*Do Now: Specific heat data – review and previous day data.*	*Specific heat data practice 1*	*Specific heat data practice 2*

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 27-31

	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.*	*I can --Write net ionic equations for double and single replacement reactions that produce precipitates, gases, or molecular compounds.*	*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*
Tuesday	*I am learning about chemical reactions.*	*I can --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*
Wednesday	*I am learning about chemical reactions.*	*I can.. Identify what species are really present in an aqueous solution.* *--Write net ionic equations for reactions that occur in aqueous solution.*	*Do Now: Review solubility rules.*	*Net ionic equation practice #1*	*Ed puzzle video—net ionic equation and assessment*

Thursday	*I am learning about chemical reactions.*	*I can..* *--Identify possible products: insoluble ionic compound, water, weak electrolyte* *--Write net ionic equations for reactions that occur in aqueous solution.*	*Do Now: Review molecular, ionic equation and spectator ions.*	*Net ionic equation practice #2 and Ed puzzle video*	*College board videos.*
Friday	*I am learning about chemical reactions.*	*I can …* *Demonstrate my understanding on the concept of net ionic equation.*	*Review for the test.*	*Unit test: net ionic equation.*	*Go over the answers. Discuss the plan for retest.*

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