ARC Week at Glance – Jackson (S2, W12)

Topic: Unit 8 – Aquatic and Terrestrial Pollution **Course: AP Environmental Science** **Grade: 9** **Dates: 3/24 – 3/28**

	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	that human activities, including the use of resources, have physical, chemical, and biological consequences for ecosystems.	describe solid waste disposal methods.	Do Now: FRQ for 8.9	Slides and Notes on Solid Waste Disposal	Exit Ticket: Explain how landfills contaminate ground water and release harmful gases. HW: Slides and Notes for 8.10 & 8.11
Tuesday	that human activities, including the use of resources, have physical, chemical, and biological consequences for ecosystems.	describe changes to current practices that could reduce the amount of generated waste and their associated benefits and drawbacks. describe best practices in sewage treatment	Do Now: FRQ for 8.10	Wastewater Treatment Activity	Exit Ticket: FRQ for 8.11 HW: Slides and Notes for 8.12 & 8.13
Wednesday	that human activities, including the use of resources, have physical, chemical, and biological consequences for ecosystems.	define lethal dose 50% (LD50). evaluate dose response curves.	Do Now: FRQ for 8.12	Lab – Lethal Dose 50% (LD 50) Analyzing Dose Response Curves (worksheet)	Exit Ticket: FRQ for 8.13 HW: Slides and Notes for 8.14 & 8.15
Thursday	that human activities, including the use of resources, have physical, chemical, and biological consequences for ecosystems.	Review, Remediate, Differentiate	Do Now: FRQ for 8.14 (Panorama and IB Meeting during 2nd Period)	Task Verb Review Complete notes and learning activities from this week.	Exit Ticket: FRQ for 8.15 HW: Study for Checkpoint Quiz Unit 8 Exam on 3/31 (25 MCQ)
Friday	that human activities, including the use of resources, have physical, chemical, and biological consequences for ecosystems.	apply task verbs to demonstrate my current understanding of aquatic and terrestrial pollution.	Do Now: Discuss Unit 8 Exam Prep Resources that are in Canvas.		Unit 8 FRQs (2) HW: Study for Unit 8 Exam

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

ARC Week at Glance – Jackson (S2, W12)

Topic: Unit 4 – Solutions, Acids, and Bases **Course: Chemistry** **Grade: 11** **Dates: 3/24 – 3/28**

	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	about the properties that describe solutions and the nature of acids and bases.	distinguish between acidic, basic, neutral substances.	Do Now: Practice mass-to-mass conversion problem to solve.	Acids and Bases Station Lab (Read It!, Research It!, Watch It!, Explore It!)	Exit Ticket: Acid or Base (Kahoot!)
Tuesday	about the properties that describe solutions and the nature of acids and bases.	observe the characteristics of substances to predict if it is an acid or base.	Do Now: What are three of the main conversion factors that we use in Stoichiometry? Q&A on POGIL Packet	Acids and Bases Station Lab (Illustrate It!, Write It!, Organize It!, Assess It!)	Exit Ticket: Complete one of the Challenge It! activities from the stations lab. Submit lab sheet in Cangas
Wednesday	how the Law of Conservation of Matter is used to determine chemical composition in compounds and chemical reactions.	explain how Hydrogen and Hydroxide concentrations determine the pH of a substance.	Do Now: Discuss Challenge It! responses from yesterday.	Slides and Notes on Acids & Bases (questions throughout)	Exit Ticket: Comprehension Quiz at end of slideshow.
Thursday	about the properties that describe solutions and the nature of acids and bases.	conduct a simulation to examine how concentrations of a substance effect pH.	Do Now: pH Rankings	Acids and Bases PhET Lab	Exit Ticket: Submit in Canvas for feedback and grading.
Friday	about the properties that describe solutions and the nature of acids and bases.		Do Now: What are the steps needed to calculate pH.	Video on Calculating pH pH Calculations Worksheet (I/We/You Do)	Exit Ticket: Solve the 2 questions on the board.

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

ARC Week at Glance – Jackson (S2, W12)

Topic: Unit 3B – Humans on Earth **Course: Environmental Science** **Grade: 9** **Dates: 3/24 – 3/28**

	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	about the types, availability, allocation, and sustainability of energy resources	conduct a simulation that examines how toxins transfer from one organism to another.	Do Now: Lab Expectations Reading and Annotating the "Introduction" in the lab packet (required in order to receive lab materials).	Biomagnification Lab	Exit Ticket: Write a paragraph describing the potential impact of toxins being consumed by primary consumers. HW: Complete notes and study for Checkpoint Quiz
Tuesday	about the types, availability, allocation, and sustainability of energy resources	analyze data and draw conclusions on biomagnification and bioaccumulation.	Do Now: Create a class data set of the data from yesterday's lab. Discuss and transition into the remainder of the lab packet.	Complete the Biomagnification and Bioaccumulation Lab packet.	Exit Ticket: Write a conclusion paragraph that summarizes this entire lab activity.
Wednesday	about the types, availability, allocation, and sustainability of energy resources	distinguish between renewable and nonrenewable energy sources	Do Now: 3-2-1 from the article reading and annotations on the sustainability of energy (from yesterday)	Nearpod: Energy Resources (Day 1)	Exit Ticket: What justifies an energy source and being renewable or nonrenewable? Sort the given energy sources and determine if they are renewable or nonrenewable.
Thursday	about the types, availability, allocation, and sustainability of energy resources	explain the importance of conserving energy.	Do Now: If you were in charge of an energy company, what energy source would you pull from? Why?	Nearpod: Energy Resources (Day 2)	Exit Ticket: Energy Conservation Reflection – In your own words, explain why it is important to conserve energy and provide examples of what we can do to conserve energy. 8-10 sentences.
Friday	about the types, availability, allocation, and sustainability of energy resources	explain how various resources are used to produce energy.	Do Now: Based on the Nearpod, which type of energy is best? Provide 2 reasons.	Energy Production Worksheet	Exit Ticket: List the 3 sources that you researched. Rank them in order of best to worst in your opinion. Provide evidence to justify your ranking.

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