ARC Week at Glance – Jackson (S1, W15)

Topic: Unit 4 -Earth Systems and Resources Course: AP Environmental Science

Grade: 9 Dates: 11/10 – 11/14

	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 how earth's systems interact, resulting in a state of balance over time.	demonstrate my current understanding of	Do Now: Unit 3 Exam (Feedback/ Discussion)	International Mindedness FRQ – France (Part 1)	Unit 4 Progress Check in AP Classroom HW: Video and notes on 4.1
Tuesday	Veteran's Day (No School)				
Wednesday	about how earth's systems interact, resulting in a state of balance over time.	describe the geological changes and events that occur at convergent, divergent, and transform plate boundaries.	Do Now: FRQ for 4.1	Geology Stations (Day 1)	Exit Ticket: Lab Reflection HW: Video and notes for 4.2
Thursday	about how earth's systems interact, resulting in a state of balance over time.	describe the geological changes and events that occur at convergent, divergent, and transform plate boundaries.	Do Now: FRQ for 4.2	Geology Stations (Day 2)	Exit Ticket: Lab Reflection HW: Video and notes for 4.3
Friday	about how earth's systems interact, resulting in a state of balance over time.	describe similarities and differences between properties of different soil types. describe the characteristics and formation of soil.	Do Now: Lab Safety and Expectations Pre-Lab Videos	Soil Analysis Lab	Exit Ticket: Submit lab on Canvas.

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

ARC Week at Glance – Jackson (S1, W15)

Topic: Unit 3: Chemical Reactions **Course: Chemistry** **Grade: 11** **Dates: 11/10 – 11/14**

	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	to obtain, evaluate, and communicate information about how the Law of Conservation of Matter is used to determine chemical composition in compounds and chemical reactions.	calculate the equilibrium constant for various reactions calculate equilibrium concentrates using an ICE table	Do Now: Review of Le Châtelier's Principle (does the substance move Right, Left, or No Change?)	Slides and Notes (10 minutes for students to record the notes in Canvas; followed by the teacher discussing the slideshow; throughout students will have a designated amount of time to work through and discuss sections of WS3)	Exit Ticket: Fill in and ICE Table (place responses in bin prior to exiting class)
Tuesday	Veteran's Day (No School)				
Wednesday	to obtain, evaluate, and communicate information about how the Law of Conservation of Matter is used to determine chemical composition in compounds and chemical reactions.	conduct an experiment to observe how ionic and covalent bonds produce chemical reactions.	Do Now: Lab Safety protocol and reminders.	Clock Reaction Lab (class demo) After the lab, show video on Iodine Clock Reaction.	Class data and observations from the lab.
Thursday	to obtain, evaluate, and communicate information about how the Law of Conservation of Matter is used to determine chemical composition in compounds and chemical reactions.	Review	Do Now: Calculation Item for Equilibrium Constant	Jeopardy – Equilibrium and Reaction Rates	Exit Ticket: Survey on content to address before tomorrow's assessment (Day 1, 2, of 3)

Friday	how to conduct a testable science experiment.	communicate the variables, materials, and procedure for my experiment.	Do Now: Technology Check (Assessment on Canvas)	Student/Teacher Q&A	Assessment – Equilibrium and Reaction Rates

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

ARC Week at Glance – Jackson (S1, W15)

Unit 2: Planet Earth **Course: Environmental Science** **Grade: 9** **Dates: 11/10 – 11/14**

	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	how to conduct a testable science experiment.	communicate the variables, materials, and procedure for my experiment.	Do Now: Share completed slideshow from previous class.	Discussion: Distinguish between independent variable, dependent variable, control variable, and constants (in experiments).	Add slides to your slideshow that communicate the independent variable, dependent variable, control variable, and constants in your experiment. Submit in Canvas for feedback.
Tuesday	Veteran's Day (No School)				
Wednesday	how to obtain, evaluate, and communicate information to analyze human impact on natural resources.	conduct a lab to gather data on natural resource consumption by humans.	Do Now: How have humans changed the planet?	Lab – Happy Fishing (Part 1; Engage, Explore, & Data)	TedED video on the Tragedy of the Commons. Exit Ticket: Identify a natural resource that humans overuse and provide a solution to address the issue.
Thursday	how to obtain, evaluate, and communicate information to analyze human impact on natural resources.	analyze data from my lab and conduct research to describe the Tragedy of the Commons.	Do Now: Who in your group earned the most money from fishing? How many fish were left in your ocean at the end? Any other comments about yesterday's lab?	Lab – Happy Fishing (Part 2; Explain)	Exit Ticket: Summarize the concept of Tragedy of the Commons in 2-3 complex sentences
Friday	how to obtain, evaluate, and communicate information to analyze human impact on natural resources.	conduct an experiment and analyze data to examine the effect of ocean pH on shell producing animals.	Do Now: Gather lab samples from the Ocean Acidification Lab. Make observations. Discuss.	Lab groups are to collect the mass of their samples And complete data table	Exit Ticket: Complete the analysis and conclusion.

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