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| **Standards:** SEV1.e. Plan and carry out an investigation of how chemical and physical properties impact aquatic biomes in Georgia.  SEV2. a. Analyze and interpret data related to short-term and long-term natural cyclic fluctuations associated with climate change.  SEV2.b Analyze and interpret data to determine how changes in atmospheric chemistry (carbon dioxide and methane) impact the greenhouse effect.    **Assessment: ☐ Quiz ☐ Unit Test ☐ Project ☐ Lab ☐ None** | | | | | | | | |
|  | **Pre-Teaching**  *C:\Users\thiyasr\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\FEF22E5.tmp*  **Learning Target**    **Success Criteria 1**    **Success Criteria** | **Activation of Learning**  *(5 min)* | **Focused Instruction**  *(10 min)*  ***\*I DO*** | **Guided Instruction**  *(10 min)*  ***\*WE DO*** | **Collaborative**  **Learning**  *(10 min)*  ***\*Y’ALL DO*** | **Independent Learning**  *(10 min)*  ***\*YOU DO*** | **Closing**  *(5 min)* |
| * Do Now * Quick Write\* * Think/Pair/Share * Polls * Notice/Wonder * Number Talks * Engaging Video * Open-Ended Question | * Think Aloud * Visuals * Demonstration * Analogies\* * Worked Examples | * Call/Response * Probing Questions * Graphic Organizer * Digital Whiteboard | * Discussions\* * Expert Groups * Labs * Stations * Think/Pair/Share * Create Visuals | * Written Response\* * Digital Portfolio * Presentation * Canvas Assignment * Choice Board * Independent Project * Portfolio | * Group Discussion * Exit Ticket * 3-2-1 * Parking Lot * Journaling\* * Nearpod |
| **Monday**  **12/09/2024** | I am learning about physical and chemical properties of aquatic ecosystem. .  I can analysis the physical and chemical properties of aquatic ecosystem | Do Now: Questions on the whiteboard. | **Review on Physical and chemical properties of aquatic ecosystem.** | Students will respond to the probing questions. | Creates visuals on physical and chemical properties of aquatic ecosystem. | Written response on quizzes | **How does carbon dioxide (CO₂) concentration impact the pH and overall health of aquatic ecosystems?** |
| **Tues day**  **12/10/2024** | I am learning about physical and chemical properties of aquatic ecosystem. .  I can analysis the physical and chemical properties of aquatic ecosystem . | Do Now: Questions on the whiteboard. | **Review on Physical and chemical properties of aquatic ecosystem.** | Students will respond to the probing questions. | Creates visuals on physical and chemical properties of aquatic ecosystem. | Written response on quizzes | **How does carbon dioxide (CO₂) concentration impact the pH and overall health of aquatic ecosystems?** |
| **Wednesday**  **12/11/2024** | I am learning about short term/long term cyclic fluctuations.  I can analyses the short term/long term cyclic fluctuations.. | Do Now: Questions on the whiteboard. | **review on short term/ long term cyclic fluctuations.** | **Students will rememorize the short term/long term cyclic fluctuations .** | **Creates visuals on short term /long term cyclic fluctuations** | Digital portfolio practice in nearpod | **What are the factors influencing the cyclic fluctuations?** |
| **Thurs Day**  **12/12/2024** | I am learning about greenhouse effect.  I can analysis different Greenhouse gases | Do Now: Questions on the whiteboard. | **review on Greenhouse effect/Atmospheric chemistry** | Students will complete the **greenhouse gases by giving answer to probing questions** | **Creates visuals on** greenhouse effect and gases | Quizzes practice | **What Are Greenhouse Gases?** What are the cause for greenhouse effect? |
| **Friday**  **12/13/2024** | Review on weeks Lessons | Warm Up:  What **is the importance of buffering capacity in maintaining stable pH levels in aquatic ecosystems?** | Review concepts of the week | QUIZ on  Unit-2 Rhythms of planet earth? | QUIZ on  Unit-2 Rhythms of planet earth? | QUIZ on  Unit-2 Rhythms of planet earth? | QUIZ on  Unit-2 Rhythms of planet earth? |