|  |
| --- |
| **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 onUnit-2 Rhythms of planet earth? | QUIZ onUnit-2 Rhythms of planet earth? | QUIZ onUnit-2 Rhythms of planet earth? | QUIZ onUnit-2 Rhythms of planet earth? |