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| **Standards:SB5. a. Plan and carry out investigations and analyze data to support explanations about factors affecting biodiversity and populations in ecosystems.(Clarification statement: Factors include population size, carrying capacity, response to limiting factors, and keystone species.)**  **b. Develop and use models to analyze the cycling of matter and flow of energy within ecosystems through the processes of photosynthesis and respiration. • Arranging components of a food web according to energy flow. • Comparing the quantity of energy in the steps of an energy pyramid. • Explaining the need for cycling of major biochemical elements (C, O, N, P, and H).**  **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 2** | **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**  **03/17/2025** | I am learning about Biodiversity and populations in ecosystems. I can analysis **Keystone Species and Their Role** | **Do Now: Questions on the whiteboard** | **Demonstration on Biodiversity and population in ecosystems.** | **Students will respond to the probing Questions.** | **Group Discussion** | **Quizzes** | TOTD |
| **Tuesday**  **03/18/2025** | I am learning Flow of energy in ecosystem. I can analysis the Photosynthesis. | **Do Now: Questions on the whiteboard** | **Demonstration on Flow of energy in photosynthesis** | **Probing questions on given topic** | **create visuals** | **activity** | **TOTD** |
| **Wednesday**  **3/19/2025** | I am learning about flow of energy in Respiration I can analysis the **Cellular Respiration: Releasing Energy** | Do Now: Questions on the whiteboard. | **Demonstration on Cellular Respiration: Releasing Energy** | **Students will respond to the probing Questions.** | **Expert Groups** | **Practice on quizzes.** | TOTD |
| **Thurs day**  **3/20/2025** | **I am learning about about Environmental change /Environmental limitations.**  **I can analysis the environmental limitations.**  . | **Do Now: Questions on the whiteboard** | **Demonstration on environmental change and limitations.** | **Students will respond to the probing Questions.** | **Group discussion** | **Practice on quizzes.** | TOTD |
| **Fri day**  **3/21/2025** |  | **Do Now: Questions on the whiteboard** | **Quizzes on Weekly review** | **Quizzes on Weekly review** | **Quizzes on Weekly review** | **Quizzes on Weekly review** | **Quizzes on Weekly review** |