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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** |