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| **Standards:** SEV1.A. To **compare and analyze the levels of biological organization**, including **organisms**, **populations**, **communities**, **ecosystems**, and the **biosphere**, let's first develop a simple **model** to represent how these levels relate to one another. Afterward, we'll use this model to analyze their interconnections and distinguish between each level's characteristics.    **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**  **12/02/2024** | I am learning about biological organization and laws of thermodynamics. .  I can analysis biological organization and laws of thermodynamics | Do Now: Questions on the whiteboard. | **Review on biological organization and laws of thermodynamics.** | Students will rememorize the biological organization and laws of thermodynamics. | Discussion on different statistical interpreting thermodynamics | Written response on quizzes | **What does the first law of thermodynamics state, and how does it apply to energy flow in ecosystems?** |
| **Tues day**  **12/03/2024** | I am learning about value of biodiversity and ecological succession.  I can analysis the biodiversity and ecological succession.  . | Do Now: Questions on the whiteboard. | **review on v**alue of **Biodiversity and ecological succession.** | **Students will rememorize the v**alue of **biodiversity and ecological succession.**  . | Discussion on **the v**alue of **Biodiversity and ecological succession.** | Written response on quizzes | **What is biological succession?** |
| **Wednesday**  **12/04/2024** | I am learning about complexity within ecosystems.  I can analyse the complexity with in ecosystems. | Do Now: Questions on the whiteboard. | **review on complexity with in ecosystems.** | **Students will rememorize the complexity with in ecosystems.** | Discussion on  **Human Impact and Ecosystem Complexity** | Quizzes practice | **1. What factors contribute to the complexity of an ecosystem?** |
| **Thurs Day**  **12/5/2024** | I am learning about Biogeochemical cycles.  I can analysis different Benefits of biogeochemical cycles. | Do Now: Questions on the whiteboard. | **review on biogeochemical cycles.** | Students will complete the **biogeochemical cycles.** | Discussion on Carbon, nitrogen, oxygen, phosphorus and water cycles | Quizzes practice | **What is eutrophication, and how is it related to the nitrogen and phosphorus cycles?** |
| **Friday**  **12/06/2024** | Review on weeks Lessons | Warm Up: **What role do bacteria play in biogeochemical cycles?** | Review concepts of the week | QUIZ on  Unit-1 planet earth? | QUIZ on  Unit-1 planet earth? | QUIZ on  Unit-1 planet earth? | QUIZ on  Unit-1 planet earth? |