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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
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| **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 onUnit-1 planet earth? | QUIZ onUnit-1 planet earth? | QUIZ onUnit-1 planet earth? | QUIZ onUnit-1 planet earth? |