|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  | | --- | | **SEV1; .**a. Develop and use a model to compare and analyze the levels of biological organization including organisms, populations, communities, ecosystems, and biosphere. b. Develop and use a model based on the Laws of Thermodynamics to predict energy transfers throughout an ecosystem (food chains, food webs, and trophic levels). (Clarification statement: The first and second law of thermodynamics should be used . |   **ssessment: ☐ 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** | *C:\Users\thiyasr\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\FEF22E5.tmp*  **Learning Target:**  **I am learning about the levels of biological organi0sation**    **Success Criteria ; I can explain about organissation ,population, communities and ecosystem** | Do Now: Questions on the whiteboard. | **Demonstration on The levels of biological organization.** | Students will respond to the probing questions. | Group discussion | Quizzes | TOTD |
| **Tues day** | *C:\Users\thiyasr\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\FEF22E5.tmp*  **Learning Target: I am leartransfers from one trophic level to an other trophic leval**    **Success Criteria 1:Ican how the energy transfers through food chain, food web, and different trophc levels** | Do Now: Questions on the whiteboard. | Demonstration on  How the energy transfers throughout the ecosystem(Laws of thermodynamics) | Students will respond to the probing questions. | Students will work in pairs to complete by drawing different food chains and pyramids | Written Responses | TOTD |
| **Wednesday 3** | *C:\Users\thiyasr\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\FEF22E5.tmp*  **Learning Target :BIOGEOCHEMICAL CYCLE**    **Success Criteria 1: I can explain about hydrogen cycle and oxygen cycle are relate to the ecosystum** | Do Now: Questions on the whiteboard. | Demonstration on  ***BIOGEOCHEMICAL CYCLES(hydrogen cycle ,oxygen cycle)*** | Students will respond to the probing questions. | **Think/pair/share** | Students will give some graphic reprasentations of d0ifferent cycles of hydrogen and o2 cycles. | TOTD |
| **Thurs Day** | *C:\Users\thiyasr\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\FEF22E5.tmp*  **Learning Target:**  **I am learning about BIOGEOCHEMICAL CYCLES.**    **Success Criteria 1: I can explain about the sequential steps in NITROGEN CYCLE relating to the ecosystem** | Do Now: Questions on the whiteboard. | **Demonstration on** NITOGEN CYCLE in a sequential manner. | Students will respond to the probing questions. | **Created visuals on NITROGEN CYCLE** | Quizzes practice | TOTD |
| **Friday** | **Review on weeks Lessons** | Warm Up: question | Review concepts of the week | QUIZ on **The**  BIOLOGICAL ORGANISATION and BIOGEOCHEMICAL CYCLES | QUIZ CONTINUED | QUIZ CONTINUED | QUIZ CONTINUED |