|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Standards :**  **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 |
| **Mon day 09/08/2025** | **I can explain the theory of island biogeography and predict species richness patterns..** **I can identify factors influencing species richness (island size, distance).** | **Think-Pair-Share**: Why might some islands support more species than others? | **Mini lecture + anchor chart**: Island Biogeography Theory (MacArthur & Wilson). | **Reciprocal Teaching**: Small groups analyze text on immigration/extinction rates. | **Concept Mapping**: Build a map showing island size, distance, immigration, extinction. | **Practice FRQ**: Write a prediction for biodiversity on two hypothetical islands. | **Exit Ticket – Quick Write**: “One big idea I learned today is…” |
| **Tues day**  **09/09/2025** | **I can describe ecological tolerance and apply it to population survival under stressors. I can analyze tolerance curves for species..** | **Graph Hook**: Interpret trout temperature tolerance curve. | **Direct Instruction**: Teacher models tolerance curves and stress zones. | **Guided Graph Analysis**: Analyze coral vs. pH tolerance together. | **Socratic Seminar**: “How do tolerance limits shape ecosystems under climate change?” | **Case Study Analysis**: Compare narrow vs. broad tolerance species. | **One-Sentence Summary**: “Ecological tolerance determines survival because…” |
| **Wednes day**  **09/10/2025** | **I can evaluate impacts of natural disruptions on ecosystems.** **I can distinguish short- vs. long-term disruption effects.** | **Current-Events Hook**: Examine a recent wildfire/hurricane headline. | **Instruction + Multimedia**: Examples of wildfires, volcanoes, hurricanes with data. | **Think-Aloud**: Analyze ecosystem recovery after Mt. St. Helens. | **Jigsaw**: Groups research and teach about fire, flood, volcano, drought. | **Comparison Chart**: Fill in short- vs. long-term impacts of two disruptions. | **Exit Poll**: “Which disruption is most impactful long term? Why?” |
| **Thurs day**  **09/11/2025** | I can analyze how species adapt structurally, physiologically, and behaviorally.  I can categorize examples of adaptations. | **Gallery Walk**: View images of organisms with adaptations; jot notes. | **Mini-Lecture with Examples**: Cactus spines, camel humps, migration. | **Guided Sorting**: Place adaptation examples into correct categories. | **Debate – Fishbowl**: “Are human adaptations mainly cultural or biological?” | **Independent Diagram**: Draw an organism, label & explain adaptations. | **3-2-1 Reflection**: 3 adaptations, 2 examples, 1 question left. |
| **Friday**  **09/12/2025** | I can synthesize biodiversity, tolerance, disruption, and adaptation to explain ecosystem resiliency. **I can connect concepts across the week with examples.** | **Quiz-Quiz-Trade**: Peer quiz with biodiversity/adaptation terms. | **Teacher Models FRQ Scoring**: Walkthrough of rubric for sample biodiversity FRQ. | **Guided Practice**: Solve one MCQ as a class, step-by-step. | **FRQ Workshop**: Groups draft responses to AP-style disruption/adaptation FRQ. | **Independent Quiz**: 5 MCQs + 1 short FRQ. | **Closing Circle**: Share one connection across this week’s topics. |