|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **S Standards: SB4.a.** Construct an argument supported by scientific information to explain patterns in structures and function among clades of organisms, including the origin of eukaryotes by endosymbiosis. Clades should include Archaea, bacteria, eukaryotes, fungi, plants, animals.  **SB4.b** Analyze and interpret data to develop models (i.e., cladograms and phylogenetic trees) based on patterns of common ancestry and the theory of evolution to determine relationships among major groups of organisms.  .**SB4.c** Construct an argument supported by empirical evidence to compare and contrast the characteristics of viruses and organisms.  **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**  **12/09/2024** | *C:\Users\thiyasr\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\FEF22E5.tmp*I am learning about theory of evolution  I can explain about different evolutionary theories | **Do Now: Questions on the whiteboard** | **Demonstration on Theory of evolution** | **Probing questions on theory of evolution** | **Group Discussion on different evolutionary theories.** | **Independent project on theory of evolution** | What **evidence supports the theory of evolution?** |
| **Tuesday**  **12/10/2024** | *C:\Users\thiyasr\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\FEF22E5.tmp*I am learning about theory of evolution  I can explain about different evolutionary theories | **Do Now: Questions on the whiteboard** | **Demonstration on Theory of evolution** | **Probing questions on theory of evolution** | **Group Discussion on different evolutionary theories.** | **Independent project on theory of evolution** | What **evidence supports the theory of evolution?** |
| **Wednesday**  **12/11/2024** | *C:\Users\thiyasr\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\FEF22E5.tmp*I am learning about kingdoms and taxonomy  I can explain about 5 kingdoms and their classification. | **Do Now: Questions on the whiteboard** | **Demonstration on Kingdoms and Taxonomy** | **Recapitulation on kingdoms and taxonomy** | **Discussion on 5 kingdom system.** | **Practice on quizzes.** | **What are the five traditional kingdoms of life, and what distinguishes each of them?** |
| **Thurs day**  **12/12/2024** | *C:\Users\thiyasr\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\FEF22E5.tmp*I am learning about clade and phylogenic trees  I can explain about different clade and phylogenic trees. | **Do Now: Questions on the whiteboard** | **Demonstration on clade and phylogenic trees** | **Students will complete the clade and phylogenic trees** | **Create visuals on clade and phylogenic trees** | **Practice on quizzes.** | **What is the difference between a monophyletic, paraphyletic, and polyphyletic group in the context of clades?**   |
| **Fri day**  **12/13/2024** | **review**  review | **Do Now: Questions on the whiteboard.** | **Quizzes on Unit – 2 patterns in living system** | **Quizzes on Unit – 2 patterns in living system** | **Quizzes on Unit – 2 patterns in living system** | **Quizzes on Unit – 2 patterns in living system** | **Quizzes on Unit – 2 patterns in living system** |