Westside High School - Weekly Plan to Align Lessons (Week At a Glance) – SY 24-25

**Teacher: Subject: Science**

**M. Prasanna Rao**

**Course:** Biology

**Grade: 9,10**

**Date(s):**

**Sep 23rd to Sep 27th**

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| **Standard**: SB4. B. Analyze and interpret data to develop models (that means cladograms and polygenic trees) based on patterns of common ancestry and the theory of evolution determined relationships among major groups of organism.  **SB4. A.** construct an argument supported by scientific information to explain patterns in structure and functions among clades of organisms including the origin of eukaryotes by endosymbiosis.  **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 * Nearpod Activity * Mnemonic Devices\* | * Socratic Seminar \* * Call/Response * Probing Questions * Graphic Organizer * Nearpod Activity * Digital Whiteboard | * Jigsaw\* * Discussions\* * Expert Groups * Labs * Stations * Think/Pair/Share * Create Visuals * Gallery Walk | * 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 | I am learning about the clades | Warm Up:  Define Taxonomy | Teacher will introduce the different clades | Ga Virtual Learning notes / overview | Discussion on examples for clades. | Worksheet on clades and its key concepts. | TOTD  What is a clade? |
|  | I can explain the ancestral relationship among the organisms |
|  | I can make the graphical representation of the clades. |
| **Tuesday** | C:\Users\thiyasr\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\FEF22E5.tmp | I am learning about the clade of archaea | Warm up: Define Phylogenetic Trees? | Teacher will introduce characters of ancient bacteria. | Probing Questions on ancient bacteria and phylogenic tree. | Make expert group discussion on  ancient bacteria and phylogenic tree. | Written response on ancient Bacteria | Quick Share: Draw the Bacteria Diagram. |
|  | I can explain about ancient Bacteria |
|  | I can predict the differences between ancient bacteria and true bacteria. |
| **Wednesday** | C:\Users\thiyasr\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\FEF22E5.tmp | I am learning about the Bacteria | Warm up: What are **Halophiles?** | Teacher will introduce characters of bacteria. | Making mind maps on digital white board. | Lab activity,  Show different types of bacteria in microscope | Quiz on true bacteria. | Quick Share: what is cyano bacteria |
|  | I can explain true bacteria and its structure. |
|  | I can able to differentiate types of Bacteria. |
| **Thursday** | C:\Users\thiyasr\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\FEF22E5.tmp | I am learning about the Eukaryotes based on the endosymbiotic theory | Warm up:  Define is symbiosis. | Teacher will introduce visualized instructions on characters of Eukaryotes. | Graphic organization of Eukaryotes | Make expert group discussion on Eukaryotes. | Written response on Eukaryotes. | Draw the Euglena Diagram? |
|  | I can explain the Different characteristics of Eukaryotes. |
|  | I can categories the eukaryotes in to 4 kingdoms. |
| **Friday** | C:\Users\thiyasr\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\FEF22E5.tmp | Review on weeks Lessons | Warm Up: What are clads and Eukaryotes? | Review concepts of the week | QUIZ on clads and Eukaryotes. | QUIZ on clads and Eukaryotes. | QUIZ on clads and Eukaryotes. | QUIZ on  clads and Eukaryotes. |
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*\*key literacy strategies*