|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Standards: SB1. A. construct an explanation of how cell structures and organelle (includes nucleus, cytoplasm, cell membrane, cell wall ,chloroplast ,lysosomes ,Golgi ,endoplasmic reticulum, vacuoles, ribosomes and mitochondria) interact as a system to maintain homeostasis.**  **SB1. B. Develop and use model to explain the role of cellular reproduction (incudes binary fission, mitosis and meiosis) in maintaining genetic continuity.**  **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** | *C:\Users\thiyasr\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\FEF22E5.tmp*I am learning about binary fission & mitosis.  I can explain the different phases of mitosis. | **Do Now:**  **What are four major groups of kingdom plantae?**  **.** | **Demonstration on Binary fission & mitosis** | **Students will use worksheet to respond probing questions** | **Discussions on different phases of mitotic cell Division** | **Quiz on binary fission** | **What is cytokinesis?** |
| **Tuesday** | *C:\Users\thiyasr\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\FEF22E5.tmp*I am learning about meiosis.  I can explain about different phases of meiosis-1 | **Do Now: where does mitotic cell division takes place?** | **Demonstration on meiosis -1 cell division** | **Students will complete meiosis -1 cell division .** | **Discussion on meiosis -1 cell division** | **Practice on phases of meiosis -1 cell Division** | **What is Telophase?** |
| **Wednesday** | *C:\Users\thiyasr\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\FEF22E5.tmp*I am learning about meiosis-II.  I can explain about different phases of meiosis-II | **Do Now: Questions on the whiteboard.** | **Demonstration on meiosis -II**  **cell division** | **Students will learn more about cell division.** | **Discussion on different phases of meiosis.** | **Quizzes practice on meiosis-II** | **Exit Ticket:**  **How many chromosomes does daughter cell have after meosis-II?** |
| **Thurs day** | I am learning about macro molecules .  I can differentiate the different macromolecules. | **Do Now: Questions on the whiteboard.** | **Demonstration on macromolecules.** | **Students will use worksheet to respond probing questions** | **activity on observation of different food items (students will observe carbo hydrates, proteins, fats on canned foods)** | **Quizzes practice** | **Exit Ticket:**  **What energy giving foods?** |
| **Fri day** | I am learning about macro molecules.  I can differentiate pattern of Biodiversity | **Do Now: Questions on the whiteboard.** | **Quizzes on cell division and macromolecules** | **Quizzes on cell division and macromolecules** | **Quizzes on cell division and macromolecules** | **Quizzes on cell division and macromolecules** | **Quizzes on cell division and macromolecules** |