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| **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** |