|  |
| --- |
| **S Standards: SB2.a.** Construct an explanation of how the structures of DNA and RNA lead to the expression of information within the cell via the processes of replication, transcription, and translation. **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****01/13/2025** | I am learning about DNA transcription, and replication.. I can analysis the DNA transcription and replication. | Do Now: Questions on the whiteboard. | **Demonstration on DNA replication and transcription** | **Students will respond to the probing Questions.** | **Group discussion DNA transcription and replication.** | **Drawing DNA** |  **What is the difference between the coding strand and the template strand in DNA?** |
| **Tuesday****1/14/2025** | I am learning about RNA structure and replication.. I can analysis the replication and transcription of RNA. | **Do Now: Questions on the whiteboard** | **Demonstration on RNA replication** | **Students will respond to the probing Questions.** | **Group discussion on RNA transcription and replication** | **Practice on quizzes.** | **What is RNA replication, and how does it differ from DNA replication?** |
| **Wednesday****1/15/2025** | I am learning about DNA translation.. I can analysis the translation of DNA. | Do Now: Questions on the whiteboard. | **Demonstration on DNA translation** | **Students will respond to the probing Questions.** | **Group discussion on DNA translation.** | **Independent project.** |  **How do mutations in the DNA affect transcription and translation?** |
| **Thurs day****1/16/2025** | I am learning about RNA translation. I can analysis the translation of RNA. | **Do Now: Questions on the whiteboard** | **Demonstration on RNA translation** | **Students will respond to the probing Questions.** | **Creating visuals on translation of RNA** | **Practice on quizzes.** |  **What happens during the elongation phase of translation?** |
|  **Fri day** **1/17/2025** |  **review** review | **Do Now: Questions on the whiteboard.** | **Quizzes on DNA & RNA TRANSCRIPTION AND TRANSLATION** | **Quizzes on DNA & RNA TRANSCRIPTION AND TRANSLATION** | **Quizzes on DNA & RNA TRANSCRIPTION AND TRANSLATION** | **Quizzes on DNA & RNA TRANSCRIPTION AND TRANSLATION** | **Quizzes on DNA & RNA TRANSCRIPTION AND TRANSLATION** |