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| **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** |