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| **Standards**: SEV1.C. Analysis and interpret data to construct an argument of the necessity of biogeochemical cycles(hydrological cycle, nitrogen cycle ,phosphorus, oxygen& carbon ) to support a sustainable ecosystem  SVE2.E. Plan and carry out an investigation of how chemical and physical properties impact aquatic biomass in Georgia.  **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 biogeochemical cycles.  I can explain the different biogeochemical cycles with an example. | Do Now: Question on the whiteboard. | Demonstration on **biogeochemical cycle introduction with examples** | Students will use worksheet to respond probing questions | Discussions on biogeochemical **cycle** | Quiz on Different types of **biogeochemical cycle** | What Stuck with You? |
| **Tues Day** | *C:\Users\thiyasr\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\FEF22E5.tmp**C:\Users\thiyasr\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\FEF22E5.tmp*I am learning about carbon cycle.  I can explain how the carbon cycle **is**. | Do Now: Question on the whiteboard. | Demonstration on **Carbon cycle, introduction with examples** | Students will complete the carbon cycle and its importance in atmosphere | Video on carbon cycle | Quiz on carbon cycle introduction | What is the carbon cycle. |
| **Wednes Day** | I am learning about Different steps in carbon cycle.  I can analysis different steps in carbon cycle. | Do Now: Questions on the whiteboard. | Demonstration on **Carbon cycle and its steps with examples** | Students will use worksheet to respond probing questions | Video on steps in carbon cycle | Quizzes practice on carbon cycle | Exit Ticket: what is the importance of the carbon cycle? |
| **Thurs Day** | I am learning about Different steps in Nitrogen cycle.  I can analysis different steps in Nitrogen cycle. | Do Now: Questions on the whiteboard. | Demonstration on **Nitrogen cycle introduction with examples** | Students will complete the carbon cycle and its importance in atmosphere | Video on steps in Nitrogen cycle | Quizzes practice on nitrogen cycle | What is the Nitrogen cycle? |
| **Friday** | I am learning about Different steps in Nitrogen cycle.  I can analysis different steps in Nitrogen cycle. | Do Now: Questions on the whiteboard. | Demonstration on **Steps involved in Nitrogen cycle with examples** | Students will complete the carbon cycle and its importance in atmosphere | Video on steps involved in Nitrogen cycle. | Quizzes practice on Nitrogen cycle | Exit Ticket: what is the importance of the Nitrogen cycle? |