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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 ecosystemSVE2.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
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| **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? |