**ARC Week at Glance: Biology (Mrs. Hiatt)**

**Topic:** Unit 5: Stability and Change in Ecosystems **Course:** Biology

 **Grade: 10 Dates: March 17 - 22**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Learning Target****(I am learning about…)** | **Criteria for Success****(I can…)** | **Activation/ Instruction** |  **Collaboration/ Guided Practice** | **Independent Learning/ Assessment** |
| (Include at least one/two formatives\*in any part of the lesson as needed) |
| **Monday** | I am learning about nutrient cycling. | I can * Outline key events in nutrient cycles
* Complete stations activities to review the nutrient cycles
 | Review EOC review Handout—go through questionsReview Food chains/webs/Pyramid | Nutrient Cycles Stations – Day 1  Carbon Cycle Water Cycle Nitrogen Cycle Oxygen Cycle Phosphorus Cycle  | TOTD: Nutrient Cycling Importance – What happens if …  |
| **Tuesday** | I am learning about nutrient cycling. | I can * Outline key events in nutrient cycles
* Complete stations activities to review the nutrient cycles
 | Tuesday Do Now: Multiple Choice Question with Justification Writing | Nutrient Cycles Stations – Day 2 Carbon Cycle Water Cycle Nitrogen Cycle Oxygen Cycle Phosphorus Cycle  | Summative Task Piece – One Nutrient Cycle in Biome of Choice Analysis Task Have decided Biome, energy pyramid, and nutrient cycles |
| **Wednesday** | I am learning about Photosynthesis & Cellular Respiration  | I can* Explain the relationship between Photosynthesis & Cellular Respiration
* State inputs and outputs of Photosynthesis and Cellular Respiration
* Explain formulas for both processes
 | Wednesday Free Response Question Answer Construction & Revision  | Sketch Notes – PS/CR Photosynthesis Cell Respiration Practice Sheet  | TOTD Photosynthesis vs Cell Respiration |
| **Thursday** | I am learning about photosynthesis and cellular respiration. | I can * State inputs and outputs of both processes
* Explain the relationship between the processes
* Outline the steps of photosynthesis
 | Do Now – Calculations/Data Analysis Practice | Photosynthesis Guided Notes – Light Dependent vs Light Independent Reactions  | Assessment Check: Food webs/Pyramids and Nutrient Cycling  |
| **Friday** | I am learning about photosynthesis and cellular respiration. | I can * State inputs and outputs of both processes
* Explain the relationship between the processes
* Outline the steps of cellular respiration
 | Do Now – Claim Evidence Reasoning Practice | Cellular Respiration Guided Notes – Aerobic vs Anaerobic Respiration  | Cell Respiration Formative Check |

Literacy Tasks Minor Assessment Major Assessment