

**Edmore Public School**  
**706 Main St, Edmore, ND 58330**

**Biology Lesson Plan**

**Dates:**

September 18 - 22, 2023

**Time and Period:**

2:32 - 3:25 PM, Seventh Period

**Performance Standard:**

**HS-LS1-1**

Construct an explanation based on evidence for how the structure of DNA determines the structure of proteins which carry out the essential functions of life through systems of specialised cells.

**HS-LS1-2**

Develop and use a model to illustrate the hierarchical organization of interacting systems that provide specific functions within multicellular organisms.

**HS-LS1-3**

Plan and conduct an investigation to provide evidence that feedback mechanisms maintain homeostasis.

**Monday, September 18**

<b>Topic</b>	Light-Dependent Reactions, pp. 106 and 107
<b>Objectives</b>	Identify the primary source of energy that flows through most living systems.
<b>Bell Ringer</b>	What are the products of light-independent reactions?
<b>Procedure / Instructional Delivery</b>	Discussion, Simulation, Models, Pair-Work
<b>Assessment</b>	Photosynthesis- Cellular Respiration Worksheet 4.3 Formative Assessment no. 1, pp. 110

**Tuesday, September 19**

<b>Topic</b>	Light-Independent Reactions, pp. 109-110
<b>Objectives</b>	Explain how an organism's metabolism is related to Earth's carbon cycle.
<b>Bell Ringer</b>	What are the products of the light independent reactions?

<b>Procedure / Instructional Delivery</b>	Discussion, Simulation, Models, Pair-Work
<b>Assessment</b>	Photosynthesis- Cellular Respiration Worksheet 4.3 Formative Assessment nos. 2-4, pp. 110

<b>Wednesday, September 20</b>	
<b>Topic</b>	Glycolysis, pp. 115
<b>Objectives</b>	Describe the process of glycolysis.
<b>Bell Ringer</b>	What are the products of glycolysis?
<b>Procedure / Instructional Delivery</b>	Discussion, Simulation, Models, Pair-Work
<b>Assessment</b>	Photosynthesis- Cellular Respiration Worksheet 4.5 Formative Assessment nos. 1 - 5, pp. 119

<b>Thursday, September 21</b>	
<b>Topic</b>	Krebs Cycle, pp. 117 and 118
<b>Objectives</b>	Describe the steps and products of the Krebs Cycle
<b>Bell Ringer</b>	What are the products of the Krebs cycle?
<b>Procedure / Instructional Delivery</b>	Discussion, Simulation, Models, Pair-Work
<b>Assessment</b>	Photosynthesis- Cellular Respiration Worksheet 4.5 Formative Assessment nos. 1 - 5, pp. 119

<b>Friday, September 22</b>	
<b>Topic</b>	Electron Transport Chain, pp. 118 and 119
<b>Objectives</b>	Describe the function of the electron transport chain during aerobic respiration.
<b>Bell Ringer</b>	What is aerobic respiration?
<b>Procedure / Instructional Delivery</b>	Discussion, Simulation, Models, Pair-Work
<b>Assessment</b>	Photosynthesis- Cellular Respiration Worksheet 4.5 Formative Assessment nos. 1 - 5, pp. 119 Reviewing Vocabulary nos. 1-6, pp. 125

