

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

**Biology Lesson Plan**

**Dates:**

December 18 - 21, 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 specialized cells.

**HS-LS1-6**

Construct and revise an explanation based on evidence for how carbon, hydrogen, and oxygen may combine with other elements to form large carbon-based molecules.

**HS-LS1-7**

Use a model to illustrate that cellular respiration is a chemical process whereby the bonds of food molecules and oxygen molecules are broken and the bonds in new compounds are formed resulting in a net transfer of energy.

**Monday, December 18**

<b>Topic</b>	Diffusion and Osmosis
<b>Objectives</b>	Predict the movement of water (or other substances) across semi-permeable membranes.
<b>Bell Ringer</b>	Define <i>Osmosis</i>
<b>Procedure / Instructional Delivery</b>	Guided Practice, Interactive Discussion, Hands - on / Laboratory Activity
<b>Assessment</b>	Laboratory Worksheet

**Tuesday, December 19**

<b>Topic</b>	Photosynthesis - Laboratory Activity, pp. 46
<b>Objectives</b>	Observe the products created by photosynthesis.
<b>Bell Ringer</b>	What are the two stages of photosynthesis?

<b>Procedure / Instructional Delivery</b>	Guided Practice, Interactive Discussion, Hands - on / Laboratory Activity
<b>Assessment</b>	Laboratory Activity Worksheet

<b>Wednesday, December 20</b>	
<b>Topic</b>	Completion of Lab Activity Review: Biomolecules
<b>Objectives</b>	Describe the structure and function of lipids, nucleic acids, carbohydrates and proteins.
<b>Bell Ringer</b>	Define <i>polymers</i>
<b>Procedure / Instructional Delivery</b>	Guided Practice, Interactive Discussion, Hands - on / Laboratory Activity
<b>Assessment</b>	Quiz

<b>Thursday, December 21</b>
<b>CHRISTMAS ACTIVITY</b>

<b>Friday, December 22</b>
<b>NO SCHOOL</b>