

Edmore Public School
706 Main St, Edmore, ND 58330

Biology Lesson Plan

Dates:
January 1 - 5, 2024

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, January 1

NO SCHOOL

Tuesday, January 2

NO SCHOOL

Wednesday, January 3

NO SCHOOL

Thursday, January 4

Topic	Review: Cell, Cell Processes, and Cell Division
Objectives	Describe the formation, structure, components and function of cells.
Bell Ringer	What is the difference between an animal and plant cell?
Procedure / Instructional Delivery	Guided Practice, Interactive Discussion, Illustrations, Practice Quiz
Assessment	Quiz

Friday, January 5

Topic	Review: Heredity and Genetics
Objectives	Explain the flow of genetic information, from DNA to RNA, to make a functional product, a protein.
Bell Ringer	A portion of the coding strand for a given gene has the sequence 5'-ATGGCAATCCTCAAACGCTGT-3' . <ul style="list-style-type: none">• What is the sequence of complementary template strand?• What is the sequence of the mRNA that would be produced during transcription from this segment of DNA?
Procedure / Instructional Delivery	Guided Practice, Interactive Discussion, Illustrations, Practice Quiz
Assessment	Quiz