

Edmore Public School
706 Main St, Edmore, ND 58330

Biology Lesson Plan

Dates:

October 23 - 25, 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-LS1-4

Use a model to illustrate the role of cellular division (mitosis) and differentiation in producing and maintaining complex organisms.

HS-LS2-8

Evaluate the evidence for the role of group behavior on individual and species' chances to survive and reproduce.

HS-LS3-1

Construct an explanation to clarify relationships about the role of DNA and chromosomes in coding the instructions for characteristic traits passed from parents to offspring.

HS-LS3-2

Make and defend a claim based on evidence that inheritable genetic variations result from various factors.

HS-LS3-3

Apply concepts of statistics and probability to explain the variation and distribution of expressed traits in a population.

Monday, October 23

Topic	Performance Task: Animal Dissection (Reproduction)
Objectives	Compare five aspects of an organism that reproduces sexually with one that reproduces asexually.
Bell Ringer	What are three things that I should do to ensure a safe dissection?

Procedure / Instructional Delivery	Animal Dissection and Discussion
Assessment	Laboratory Worksheet

Tuesday, October 24	
Topic	Unit Test and Introduction to Mendelian Genetics
Objectives	Describe why garden pea plants are good subjects for genetic experiments .
Bell Ringer	Differentiate between dominant and recessive traits.
Procedure / Instructional Delivery	Discussion, Simulation, Hands-on Activity
Assessment	Unit Test

Wednesday, October 25	
Topic	Traits, Genes, and Alleles, pp. 174 - 176
Objectives	Relate genotype to phenotype using examples from Mendel's experiments with pea plants.
Bell Ringer	Differentiate between genotype and phenotype .
Procedure / Instructional Delivery	Discussion, Simulation, Guided Practice, Pair Work
Assessment	Practice Exercise

Thursday, October 26	
NO SCHOOL	

Friday, October 27

NO SCHOOL