

Edmore Public School
706 Main St, Edmore, ND 58330

Biology Lesson Plan

Dates:

November 20 - 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 specialized cells.

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, November 20

Topic	Unit Project - Work Period and Practice
Objectives	Analyze and interpret pedigrees to identify inheritance patterns.
Bell Ringer	In an autosomal dominant disorder, how many copies of an abnormal gene is enough in order for the disease or trait to develop? Write the genotype for this.
Procedure / Instructional Delivery	Guided Practice, Interactive Discussion, Hands - on / Laboratory Activity
Assessment	Unit Project Presentation

Tuesday, November 21

Topic	Case Study Presentation Completion Mock Presentation of Case Study
Objectives	Analyze and interpret pedigrees to identify inheritance patterns.
Bell Ringer	In an autosomal recessive disorder, how many copies of an abnormal gene must be present in order for the disease or trait to develop? Write the genotype for this.
Procedure / Instructional Delivery	Guided Practice, Interactive Discussion, Hands - on / Laboratory Activity
Assessment	Checklist

Wednesday, November 22

Topic	Presentation of Case Study Review for Unit Test
Objectives	Model a pedigree when given family genotype and phenotype data.
Bell Ringer	Give (3) roles of a genetic counselor.
Procedure / Instructional Delivery	Guided Practice, Interactive Discussion, Hands - on / Laboratory Activity
Assessment	Presentation of Case Study Review Quiz for Unit Test

Thursday, November 23

NO SCHOOL

Friday, November 24

NO SCHOOL