Edmore Public School
706 Main St, Edmore, ND 58330

Biology Lesson Plan	
Dates: October 30 - November 3, 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, October 30	
Topic	Traits and Probability, pp. 177 - 181
Objectives	Predict the possible genotypes and phenotypes and their ratios from a monohybrid cross.
Bell Ringer	Differentiate between **monohybrid** and **dihybrid** crosses.
Procedure / Instructional Delivery	Guided Practice, Interactive Discussion, Hands - on / Laboratory Activity
Assessment	Worksheet: Punnett Squares / Testcross

Tuesday, October 31	
Topic	Review and Practice: Monohybrid Crosses, pp. 177 - 181
Objectives	Determine the genotype of an organism by analyzing a testcross or punnett square.
Bell Ringer	**Answer Quicklab pp. 179**
Procedure / Instructional Delivery	Guided Practice, Interactive Discussion, Hands - on / Laboratory Activity
Assessment	Worksheet: Punnett Squares / Testcross

Wednesday, November 1	
Topic	Dihybrid Crosses, pp. 177 - 181
Objectives	Determine the genotype of an organism by analyzing a testcross or punnett square.
Bell Ringer	**Answer Quicklab nos. 3 and 4 pp. 179**
Procedure / Instructional Delivery	Guided Practice, Interactive Discussion, Hands - on / Laboratory Activity
Assessment	Worksheet: Punnett Squares / Testcross

Thursday, November 2	
Topic	Continuation: Dihybrid Crosses
Objectives	Determine the genotype of an organism by analyzing a testcross or punnett square.
Bell Ringer	Give an example genotype for the following: ***Homozygous Dominant, Homozygous Recessive, and Heterozygous Dominant.***
Procedure / Instructional Delivery	Guided Practice, Interactive Discussion, Hands - on / Laboratory Activity
Assessment	Worksheet: Punnett Squares / Testcross

Friday, November 3	
Topic	Quiz Introduction to Chromosomes and Phenotypes, pp. 192 - 195
Objectives	Model the inheritance of a sex-linked trait.
Bell Ringer	Define ***sex-linked genes.***
Procedure / Instructional Delivery	Guided Practice, Interactive Discussion, Hands - on / Laboratory Activity
Assessment	Quiz