

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

**Biology Lesson Plan**

**Dates:**

November 6 - 10, 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 6**

<b>Topic</b>	Practice: Dihybrid Crosses
<b>Objectives</b>	Determine the genotype of an organism by analyzing a testcross or punnett square.
<b>Bell Ringer</b>	What are two examples of x-linked traits?
<b>Procedure / Instructional Delivery</b>	Guided Practice, Interactive Discussion, Hands - on / Laboratory Activity
<b>Assessment</b>	Worksheet: Punnett Squares / Testcross

Tuesday, November 7	
<b>Topic</b>	Continuation: Chromosomes and Phenotypes, pp. 192 - 195
<b>Objectives</b>	Model the inheritance of a sex-linked trait.
<b>Bell Ringer</b>	What is the sex chromosome of males and females?
<b>Procedure / Instructional Delivery</b>	Guided Practice, Interactive Discussion, Hands - on / Laboratory Activity
<b>Assessment</b>	Worksheet: Sex-linked Traits 7.1 Formative Assessment

Wednesday, November 8	
<b>Topic</b>	Completion of CER Complex Patterns of Inheritance, pp. 196 - 200
<b>Objectives</b>	Identify complex patterns of inheritance such as codominance and incomplete dominance.
<b>Bell Ringer</b>	Differentiate between <b><i>codominance</i></b> and <b><i>incomplete dominance</i></b> .
<b>Procedure / Instructional Delivery</b>	Guided Practice, Interactive Discussion, Hands - on / Laboratory Activity
<b>Assessment</b>	Worksheet: Codominance and Incomplete Dominance

Thursday, November 9	
<b>Topic</b>	Review for Quiz Completion of Codominance and Incomplete Dominance
<b>Objectives</b>	Practice analyzing complex patterns of inheritance such as codominance and incomplete dominance.
<b>Bell Ringer</b>	Define polygenic and give examples of traits for this.
<b>Procedure / Instructional Delivery</b>	Guided Practice, Interactive Discussion, Hands - on / Laboratory Activity
<b>Assessment</b>	Worksheet: Codominance and Incomplete Dominance Practice Quiz

**Friday, November 10**

**NO SCHOOL**