Edmore Public School 706 Main St, Edmore, ND 58330

Biology Lesson Plan	
Dates:	Time and Period:
May 6 - 10, 2024	2:32 - 3:25 PM, Seventh Period

Performance Standard:

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.

Monday, May 6
FIELDTRIP

FIELDTRIP

Wednesday, May 8	
Торіс	Genetic Engineering - Laboratory Activity

Objectives	Use a plasmid vector to transform bacteria with genes for Green Fluorescent Protein (GFP) and antibiotic resistance in a controlled experiment.
Bell Ringer	What is the role of arabinose in this laboratory activity?
Procedure / Instructional Delivery	Guided Practice, Interactive Discussion, Hands - on / Laboratory Activity
Assessment	Bacterial Transformation Worksheet

Thursday, May 9	
Торіс	Genetic Engineering - Laboratory Activity (Continuation)
Objectives	Use a plasmid vector to transform bacteria with genes for Green Fluorescent Protein (GFP) and antibiotic resistance in a controlled experiment.
Bell Ringer	What is the role of ampicillin in this laboratory activity?
Procedure / Instructional Delivery	Guided Practice, Interactive Discussion, Hands - on / Laboratory Activity
Assessment	Bacterial Transformation Worksheet

Thursday, May 10	
Торіс	Genetic Engineering - Laboratory Activity (Last Work Period) Review for Semester Test
Objectives	Use a plasmid vector to transform bacteria with genes for Green Fluorescent Protein (GFP) and antibiotic resistance in a controlled experiment.
Bell Ringer	What are the benefits of using genetic engineering?
Procedure / Instructional Delivery	Guided Practice, Interactive Discussion, Hands - on / Laboratory Activity
Assessment	Bacterial Transformation Worksheet