Edmore Public School 706 Main St, Edmore, ND 58330

Biology Lesson Plan			
Dates: April 15 - 19, 2024	Time and Period: 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, April 15			
Торіс	Manipulating DNA, pp. 254 - 257		
Objectives	Apply your understanding of DNA to manipulate specific genes to produce desired traits.		
Bell Ringer	Define <i>restriction enzymes</i>		
Procedure / Instructional Delivery	Guided Practice, Interactive Discussion, Hands - on / Laborato Activity		
Assessment	Manipulating DNA, pp. 254 - 257		

Tuesday, April 16			
Торіс	Copying DNA, pp. 259 - 260		
Objectives	Describe the pattern of events that happen during DNA replication.		
Bell Ringer	Define <i>polymerase chain reaction</i>		
Procedure / Instructional Delivery	Guided Practice, Interactive Discussion, Hands - on / Laboratory Activity		
Assessment	Copying DNA, pp. 259 - 260 Work Period: Blood Flow		

Wednesday, April 17			
Торіс	DNA Fingerprinting, pp. 262 - 264		
Objectives	Interpret different DNA fingerprints and explore other uses of DNA forensics.		
Bell Ringer	What are 2 uses of DNA fingerprinting?		
Procedure / Instructional Delivery	Guided Practice, Interactive Discussion, Hands - on / Laboratory Activity		
Assessment	DNA Fingerprinting, pp. 262 - 264 Completion of Mini Project: Blood Flow		

Thursday, April 18			
Торіс	Gel Electrophoresis, pp. 259 - 260		
Objectives	Describe the pattern of events that happen during DNA replication.		
Bell Ringer	What is the role of Gel Electrophoresis?		
Procedure / Instructional Delivery	Guided Practice, Interactive Discussion, Hands - on / Laboratory Activity		
Assessment	Gel Electrophoresis, pp. 259 - 260 Review Quiz		

Friday, April 19			
Topic	QUIZ Completion of Lab Genetic Engineering, pp. 265 - 269		
Objectives	Describe applications of genetic engineering.		
Bell Ringer	What is the role of electric current in gel electrophoresis		
Procedure / Instructional Delivery	Guided Practice, Interactive Discussion, Hands - on / Laboratory Activity		
Assessment	QUIZ Completion of Lab Genetic Engineering, pp. 265 - 269		