Edmore Public School
706 Main St, Edmore, ND 58330

Life Science Lesson Plan	
Dates: April 29 - May 3, 2024	**Time and Period:** 12:42 - 1:34 PM, Fifth Period
Performance Standard: **MS-LS4-4** Construct an explanation based on evidence that describes how genetic variations of traits in a population increase some individuals' probability of surviving and reproducing in a specific environment. **MS-LS4-5** Gather and synthesize information about the technologies that have changed the way humans influence the inheritance of desired traits in organisms. **MS-LS4-6** Use mathematical representations to support explanations of how natural selection may lead to increases and decreases of specific traits in populations over time.	

Monday, April 29	
Topic	Exploring Causes of Genetic Change, pp. 84 - 86
Objectives	Identify the three types of gene mutations.
Bell Ringer	What are the three types of mutation? Describe each.
Procedure / Instructional Delivery	Interactive Discussion, Video, Scaffolding, Hands-on Activity
Assessment	Exploring Causes of Genetic Change, pp. 84 - 86

Tuesday, April 30	
Topic	Evidence of Evolutionary Relationships, pp. 51 - 53
Objectives	Identify patterns of similarities in anatomical structures and embryological development.
Bell Ringer	See page 52 and describe the evolutionary relationship of the four species.
Procedure / Instructional Delivery	Interactive Discussion, Video, Scaffolding, Hands-on Activity

Assessment	Evidence of Evolutionary Relationships, pp. 51 - 53

Wednesday, May 1	
Topic	Relationship Between Gene and Traits, pp. 78 - 80
Objectives	Explore how the function of a protein depends on its structure.
Bell Ringer	What is the difference between gene therapy and genetic engineering?
Procedure / Instructional Delivery	Interactive Discussion, Video, Scaffolding, Hands-on Activity
Assessment	Relationship Between Gene and Traits, pp. 78 - 80

Thursday, May 2	
Topic	Analyzing MVP of Siberian Tigers, pp. 123
Objectives	Calculate the minimum viable population of tigers needed for species to survive for more than 40 generations in current environmental conditions.
Bell Ringer	Define ***Minimum Viable Population***
Procedure / Instructional Delivery	Interactive Discussion, Video, Scaffolding, Hands-on Activity
Assessment	Analyzing MVP of Siberian Tigers, pp. 123

Friday, May 3
FIELDTRIP