Edmore Public School
706 Main St, Edmore, ND 58330

Biology Lesson Plan	
Dates: March 4 - 8, 2024	**Time and Period:** 2:32 - 3:25 PM, Seventh Period

Performance Standard:

HS-LS4-4
Analyze the change in proportion of organisms with and without specific adaptations using Hardy-Weinberg equilibrium or another mathematical tool.

HS-LS4-3
Use mathematical models to support explanations that organisms with an advantageous heritable trait tend to increase in proportion to organisms lacking this trait.

HS-LS4-2
Construct an explanation based on evidence that the process of biological evolution primarily results from four factors: (1) the potential for a species to increase in number, (2) the heritable genetic variation of individuals in a species due to mutation and sexual reproduction, (3) competition for limited resources, and (4) the proliferation of those organisms that are better able to survive and reproduce in the environment.

HS-LS24-1
Apply multiple lines of empirical evidence to support the biological evolution of a specific or an unknown species (i.e., BLAST sequencing, anatomical structure).

HS-LS2-8
Evaluate the evidence for the role of group behavior on individual and species' chances to survive and reproduce.

Monday, March 4
School Planned Activity

Tuesday, March 5	
Topic	Evidence of Evolution, pp. 298 - 303
Objectives	Explain how evidence from living species gives clues about evolution.
Bell Ringer	Define ***Biogeography***
Procedure / Instructional Delivery	Guided Practice, Interactive Discussion, Hands - on / Laboratory Activity
Assessment	Evidence of Evolution, pp. 298 - 303

Wednesday, March 6	
Topic	Evolutionary Biology Today, pp. 306 - 310
Objectives	Describe how the theory of evolution by natural selection is supported by evidence.
Bell Ringer	Define ***Homologous and Analogous Structures***
Procedure / Instructional Delivery	Guided Practice, Interactive Discussion, Hands - on / Laboratory Activity
Assessment	Evolutionary Biology Today, pp. 306 - 310

Thursday, March 7
School Planned Activity

Friday, March 8	
Topic	Genetic Variation Within Populations, pp. 316 - 317
Objectives	Describe the different types of variation in a population
Bell Ringer	Define ***Allele Frequency*** and use it in a sentence.
Procedure / Instructional Delivery	Guided Practice, Interactive Discussion, Hands - on / Laboratory Activity

Assessment	Genetic Variation Within Populations, pp. 316 - 317