Edmore Public School
706 Main St, Edmore, ND 58330

Biology Lesson Plan	
Dates: January 8 - 12, 2023	**Time and Period:** 2:32 - 3:25 PM, Seventh Period

Performance Standard:

HS-LS2-1
Use mathematical and/or computational models to support explanations of factors that affect carrying capacity of ecosystems at different scales.

HS-LS2-2
Use evidence from mathematical representations to explain factors that affect population dynamics and biodiversity.

HS-LS2-3
Construct and revise an explanation based on evidence for the cycling of matter and flow of energy in aerobic and anaerobic conditions.

HS-LS2-4
Use mathematical representations to support claims for the cycling of matter and flow of energy among organisms in an ecosystem.

HS-LS2-6
Evaluate the claims, evidence, and reasoning that the complex interactions in ecosystems maintain relatively consistent numbers and types of organisms in stable conditions but changing conditions may result in a new ecosystem.

Monday, January 8	
Topic	Introduction to Ecology, pp. 388 - 390
Objectives	Describe the differences between an ecosystem and a community.
Bell Ringer	What are different levels of organization? List down the factors from organism to biome.
Procedure / Instructional Delivery	Guided Practice, Interactive Discussion, Hands - on / Laboratory Activity
Assessment	Introduction to Ecology, pp. 388 - 390 / Quadrat Sampling

Tuesday, January 9	
Topic	Biotic and Abiotic Factors, pp. 394 - 397 Presentation of Biomes
Objectives	Explain how an ecosystem responds to change.
Bell Ringer	Define ***keystone species.***
Procedure / Instructional Delivery	Guided Practice, Interactive Discussion, Hands - on / Laboratory Activity
Assessment	Biotic and Abiotic Factors, pp. 394 - 397

Wednesday, January 10
SCHOOL ACTIVITY

Thursday, January 11
FIRST SEMESTER TEST

Friday, January 12	
Topic	Continuation of Semester Test Energy in Ecosystems, 398 and 399
Objectives	Describe how energy flows in an ecosystem.
Bell Ringer	Define ***chemosynthesis.***
Procedure / Instructional Delivery	Guided Practice, Interactive Discussion, Hands - on / Laboratory Activity
Assessment	Energy in Ecosystems, 398 and 399 Continuation of Semester Test (If Needed)