

**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**

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

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

Wednesday, January 10
<b>SCHOOL ACTIVITY</b>

Thursday, January 11
<b>FIRST SEMESTER TEST</b>

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

