

Edmore Public School
706 Main St, Edmore, ND 58330

Biology Lesson Plan

Dates:

January 31 - February 2, 2024

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 29

Topic	Population Growth Patterns, pp. 432 - 436
Objectives	Compare exponential growth with logistic growth.
Bell Ringer	Define logistic growth and exponential growth
Procedure / Instructional Delivery	Guided Practice, Interactive Discussion, Hands - on / Laboratory Activity
Assessment	Population Growth Patterns, pp. 432 - 436 Review Quiz

Tuesday, January 30	
Topic	Ecological Succession, pp. 437 - 439
Objectives	Explain how human and natural interactions can change ecosystems.
Bell Ringer	Define Primary Succession and Secondary Succession
Procedure / Instructional Delivery	Guided Practice, Interactive Discussion, Hands - on / Laboratory Activity
Assessment	Ecological Succession, pp. 437 - 439 Review Quiz

Wednesday, January 31	
Topic	Biomes, pp. 452 and 453
Objectives	Define and describe the characteristics of each of the biomes.
Bell Ringer	Define <i>temperate</i>
Procedure / Instructional Delivery	Guided Practice, Interactive Discussion, Hands - on / Laboratory Activity
Assessment	Biomes, pp. 452 and 453

Thursday, February 1	
Topic	Continuation of Biomes, pp. 454 - 456 Review Quiz
Objectives	Define and describe the characteristics of each of the biomes.
Bell Ringer	Define <i>deciduous</i>
Procedure / Instructional Delivery	Guided Practice, Interactive Discussion, Hands - on / Laboratory Activity
Assessment	Continuation of Biomes, pp. 454 - 456

Friday, February 2	
Topic	Unit Test Completion of Presentation Task for Ecological Succession
Objectives	Explain how human and natural interactions can change

	ecosystems.
Bell Ringer	Define climax community and relate this to ecological succession
Procedure / Instructional Delivery	Guided Practice, Interactive Discussion, Hands - on / Laboratory Activity
Assessment	Unit Test Completion of Presentation Task for Ecological Succession