

Edmore Public School
706 Main St, Edmore, ND 58330

Biology Lesson Plan

Dates:

February 5 - 9, 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, February 5

Topic	Presentation Task Patch Making for Earth Day
Objectives	Bring awareness and develop consciousness about the environmental condition of our planet and North Dakota.
Bell Ringer	What can the Earth be described as at present?
Procedure / Instructional Delivery	Guided Practice, Interactive Discussion, Hands - on / Laboratory Activity
Assessment	Presentation Task

Tuesday, February 6	
Topic	Air Quality, pp. 476 - 481
Objectives	Identify the effects of air pollution.
Bell Ringer	Define <i>acid rain</i>
Procedure / Instructional Delivery	Guided Practice, Interactive Discussion, Hands - on / Laboratory Activity
Assessment	Air Quality, pp. 476 - 481

Wednesday, February 7	
Topic	Water Quality, pp. 482 - 483
Objectives	Identify five sources of water pollution.
Bell Ringer	Define <i>biomagnification</i>
Procedure / Instructional Delivery	Guided Practice, Interactive Discussion, Hands - on / Laboratory Activity
Assessment	Water Quality, pp. 482 - 483 Modelling Magnification

Thursday, February 8	
Topic	Threats to Biodiversity, pp. 486 - 489
Objectives	Explain how conservation might help an endangered species.
Bell Ringer	Define <i>habitat fragmentation</i>
Procedure / Instructional Delivery	Guided Practice, Interactive Discussion, Hands - on / Laboratory Activity
Assessment	Threats to Biodiversity, pp. 486 - 489

Friday, February 9	
Topic	Conservation, pp. 490 - 494
Objectives	Describe how planning can prevent damage to the environment
Bell Ringer	Define <i>Umbrella Species</i>

Procedure / Instructional Delivery	Guided Practice, Interactive Discussion, Hands - on / Laboratory Activity
Assessment	Conservation, pp. 490 - 494