

Edmore Public School
706 Main St, Edmore, ND 58330

Life Science Lesson Plan

Dates:

December 18 - 21, 2023

Time and Period:

12:42 - 1:34 PM, Fifth Period

Performance Standard:

MS-LS1-6

Construct a scientific explanation based on evidence for the role of photosynthesis in the cycling of matter and flow of energy into and out of organisms.

MS-LS3-7

Develop a model to describe how food is rearranged through chemical reactions forming new molecules that support growth and/or release energy as it moves through an organism.

MS-LS2-3

Develop a model to describe the cycling of matter and flow of energy among living and nonliving parts of an ecosystem.

Monday, December 18

Topic	Completion of Project Review Quiz
Objectives	Design a board game to model the effect of genetic and environmental factors on the growth of animals.
Bell Ringer	What are three environmental factors that serve as a disadvantage for speartooth sharks?
Procedure / Instructional Delivery	Interactive Discussion, Simulation, Illustrations, Hands - on / Laboratory Activity
Assessment	Energy Flow in Ecosystems, pp. 44 - 48 Unit Project Preparation

Tuesday, December 19

Topic	Modelling Energy Flow in an Ecosystem, pp. 47 - 50 Unit Project Presentation
Objectives	Explain the flow of energy through an ecosystem.
Bell Ringer	Give an example of a food chain in North Dakota.
Procedure /	Interactive Discussion, Video, Illustrations, Simulations, Hands -

Instructional Delivery	on / Laboratory Activity
Assessment	Modelling Energy Flow in an Ecosystem, pp. 47 - 50

Wednesday, December 20	
Topic	Unit Test Unit Project Presentation
Objectives	Explain the flow of energy through an ecosystem.
Bell Ringer	What are trophic levels?
Procedure / Instructional Delivery	Interactive Discussion, Video, Illustrations, Simulations, Hands - on / Laboratory Activity
Assessment	Unit Project and Unit Test

Thursday, December 21	
Topic	Cycling of Matter in Ecosystems, 49 - 50
Objectives	Use models to explain cycles of matter transfer in ecosystems.
Bell Ringer	How do living organisms use carbon? Provide two answers for this.
Procedure / Instructional Delivery	Interactive Discussion, Video, Illustrations, Simulations, Hands - on / Laboratory Activity
Assessment	Cycling of Matter in Ecosystems, 49 - 50

Friday, December 22	
NO SCHOOL	