Edmore Public School
706 Main St, Edmore, ND 58330

Life Science Lesson Plan	
Dates: December 11 - 15, 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 11	
Topic	Energy Flow in Ecosystems, pp. 44 - 48
Objectives	Analyze the cycle of matter and energy transfer in ecosystems through food chains and food webs.
Bell Ringer	Differentiate between ***food chains and food webs***
Procedure / Instructional Delivery	Interactive Discussion, Simulation, Illustrations, Hands - on / Laboratory Activity
Assessment	Energy Flow in Ecosystems, pp. 44 - 48 Unit Project Preparation

Tuesday, December 12	
Topic	Quiz Unit Project Preparation
Objectives	Design a board game to model the effect of genetic and environmental factors on the growth of animals.
Bell Ringer	What are three genetic factors that serve as an advantage for speartooth sharks?
Procedure /	Interactive Discussion, Simulation, Illustrations, Hands - on /

Instructional Delivery	Laboratory Activity
Assessment	Unit Project Preparation Quiz

Wednesday, December 13	
Topic	Unit Project Preparation
Objectives	Design a board game to model the effect of genetic and environmental factors on the growth of animals.
Bell Ringer	What advantage does playing your board game have on people?
Procedure / Instructional Delivery	Interactive Discussion, Simulation, Illustrations, Hands - on / Laboratory Activity
Assessment	Unit Project Preparation Quiz

Thursday, December 14	
Topic	Cycling of Matter in Ecosystems, 49 - 50 Project Work Period
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	Unit Project Work Period Unit Test

Friday, December 15	
Topic	Nitrogen Cycle, pp. 51 - 52 Unit Project Work Period
Objectives	Discuss how matter and energy flow in organisms.
Bell Ringer	Give two genetic and environmental factors that affect the growth of your organism.
Procedure / Instructional Delivery	Interactive Discussion, Video, Illustrations

Assessment	Nitrogen Cycle, pp. 51 - 52 Project Work Period