

Edmore Public School
706 Main St, Edmore, ND 58330

Earth Science Lesson Plan

Dates: September 5 - 8, 2023	Time and Period: 9:35 - 10:27 AM, Second Period
Performance Standard: MS-ESS2-4 Develop a model to describe the cycling of water through Earth's systems driven by energy from the sun and the force of gravity. MS-ESS2-6 Develop and use a model to describe how unequal heating and rotation of the Earth cause patterns of atmospheric and oceanic circulation that determine regional climates.	

Tuesday, September 5

Topic	Global Winds (pp. 13 and 14 of Module E)
Objectives	Examine how global winds in the atmosphere, and the pressure associated with them, affect weather in different parts of the world.
Bell Ringer	What are <i>global winds</i> and <i>pressure belts</i> ?
Procedure / Instructional Delivery	<ul style="list-style-type: none"> • Discussion • Write-Pair-Share and/or Foldable Comparing and contrasting the different types of global winds and pressure belts using the Model of Global Winds Diagram (Laptops ON).
Assessment	Exit Ticket and Worksheet pp. 13 and 14

Wednesday, September 6

Topic	Continuation of Global Winds Modelling Activity and Review for Quiz
Objectives	Review how wind direction in the atmosphere influences weather conditions.
Bell Ringer	What are the three global wind belts cells called?
Procedure / Instructional Delivery	<ul style="list-style-type: none"> • Discussion • Presentation of Global Winds Belt

	<ul style="list-style-type: none"> • Review
Assessment	Exploration 1 nos. 16 - 19, pp. 17 - 19 Checkpoints, pp. 21 - 23

Thursday, September 7	
Topic	QUIZ and and The Flow of Energy in the Atmosphere <i>(pp. 15 - 18 of Module E)</i>
Objectives	Describe the flow of energy in the atmosphere.
Bell Ringer	What are the three ways by which heat moves?
Procedure / Instructional Delivery	<ul style="list-style-type: none"> • Quiz • Discussion • Use of Simulation • Completion of Global Winds Worksheet
Assessment	Quiz Analyzing Atmospheric Interactions, pp. 18

Friday, September 8	
Topic	<i>The Cycling of Matter in the Atmosphere</i> <i>(pp. 15 - 18 of Module E)</i>
Objectives	Explain how energy provided by the sun influences global patterns of atmospheric movement.
Bell Ringer	What kinds of matter are cycling in the Earth's atmosphere?
Procedure / Instructional Delivery	<ul style="list-style-type: none"> • Discussion • Use of Simulation
Assessment	Relating Air Circulation to Earth system, pp. 15 and 16