

Edmore Public School
706 Main St, Edmore, ND 58330

Earth Science Lesson Plan

Dates:

November 13 - 17, 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-ESS2-5

Use data to provide evidence for how the motions and complex interactions of air masses results in changes in weather conditions.

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.

Monday, November 13

Topic	Review for Quiz for Influences on Climate Unit Project Planning
Objectives	Develop and use a climate model to explain the causes of chosen severe weather.
Bell Ringer	How much sunlight is reflected by the atmosphere?
Procedure / Instructional Delivery	Interactive Discussion, Simulation, Guided Practice, Hands-on / Lab Activity
Assessment	Practice Quiz Unit Project Planning

Tuesday, November 14

Topic	Quiz: Influences on Climate Unit Project - Work Period
Objectives	Develop and use a climate model to explain the causes of chosen severe weather.
Bell Ringer	What climate factors contribute to the severe weather you chose to investigate?

Procedure / Instructional Delivery	Interactive Discussion, Simulation, Guided Practice, Hands-on / Lab Activity
Assessment	Quiz UNIT Project Planning Worksheet

Wednesday, November 15	
Topic	Unit Project - Work Period
Objectives	Develop and use a climate model to explain the causes of chosen severe weather.
Bell Ringer	How does the climate of your region of study relate to the type of severe weather you chose to investigate?
Procedure / Instructional Delivery	Interactive Discussion, Simulation, Guided Practice, Hands-on / Lab Activity
Assessment	Unit Project Planning Worksheet and Presentation

Thursday, November 16	
Topic	Unit Project - Work Period
Objectives	Develop and use a climate model to explain the causes of chosen severe weather.
Bell Ringer	Describe your 'severe weather' in one complete sentence.
Procedure / Instructional Delivery	Interactive Discussion, Simulation, Guided Practice, Hands-on / Lab Activity
Assessment	Unit Project Planning Worksheet and Presentation

Friday, November 17	
Topic	Preparation for Presentation of Unit Project
Objectives	Develop a model of your local climate to represent it with a system of inputs and outputs.
Bell Ringer	How do you present your study to your audience? List three tips that one can follow when delivering a presentation.
Procedure / Instructional Delivery	Interactive Discussion, Simulation, Guided Practice, Hands-on / Lab Activity
Assessment	Unit Project Planning Worksheet and Presentation

	Review Quiz
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Note: Middle school students will participate in an academic challenge.