Edmore Public School
706 Main St, Edmore, ND 58330

Earth Science Lesson Plans for
September 12 - 16, 2022
1:37 – 2:29 PM

	Monday (Sept 12)	Tuesday (Sept 13)	Wednesday (Sept 14)	Thursday (Sept 15)	Friday (Sept 16)
Performance Standards	**MS-ES2-2** Construct an explanation based on evidence for how geoscience processes have changed Earth's surface at varying times and spatial scales.	**MS-ES2-2** Construct an explanation based on evidence for how geoscience processes have changed Earth's surface at varying times and spatial scales.	**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.	**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.	**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.
Topic	Unit Test – introduction to Earth Science	Eco-Ed Day	**Unit 1: Circulation of Earth's Air and Water** **(Unit Introduction)**	**Unit 1: Circulation of Earth's Air and Water** Lesson 1: Circulation in Earth's Atmosphere Exploration 1: Modeling Wind and Convection	**Unit 1: Circulation of Earth's Air and Water** Lesson 1: Circulation in Earth's Atmosphere Exploration 1: Modeling Wind and Convection
Objectives	• Assess proficiency of the current unit		• > design a model that describes atmospheric circulation and use it to explain the movement of matter and energy around Earth	• develop a model to describe changes in air density and pressure.	• develop a model to describe changes in air density and pressure.
Bellringer	(3 min) wind		(3 min) convection	(3 min) air pressure	(3 min) vocabulary quiz
Procedure/ Instructional Delivery	○ Unit test		○ Unit Pretest ○ Unit Starter: Evaluating Models ○ Unit Project ○ Collaboration: group discussion on the model of water cycle	○ Lesson introduction: wind and hot air balloon ○ Hands-on lab: model the formation of the wind	○ Review of previous activity ○ Direct instruction: the formation of the wind ○ Engineer it: convection ○ Direct instruction: convection cells

					○ Formative assessment: Analyze winds
Assessment	Unit Test	Field Trip	Unit pretest	Lab questions	Formative assessment
Remarks					

Prepared by:

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Science Teacher