Edmore Public School
706 Main St, Edmore, ND 58330

Earth Science Lesson Plans for
September 19 - 23, 2022
1:37 – 2:29 PM

	Monday (Sept 19)	**Tuesday (Sept 20)**	**Wednesday (Sept 21)**	**Thursday (Sept 22)**	**Friday (Sept 23)**
Performance Standards	**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.	**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	**Lesson 1: Circulation in Earth's Atmosphere** **Exploration 2: Explaining the circulation of Air**	**Lesson 1: Circulation in Earth's Atmosphere** **Exploration 2: Explaining the circulation of Air**	**Lesson 1: Circulation in Earth's Atmosphere** **Exploration 3: Relating Air Circulation to the Earth System**	**Lesson 1: Circulation in Earth's Atmosphere** Lesson Self- Check Lesson Quiz	Lesson 2: Circulation in Earth's Ocean Exploration 1: Modeling surface currents
Objectives	• describe how the rotation of Earth affects patterns of atmospheric wind circulation.	• describe how the rotation of Earth affects patterns of atmospheric wind circulation.	• relate circulation in the atmosphere to the cycling of matter and the flow of energy in the Earth system.	• assess understanding of the lesson 1	• use model to study patterns of oceanic circulation in surface currents.
Bellringer	(3 min) rotation	(3 min) revolution	(3 min) Coriolis effect	(3 min) Wind belts	(3 min) vocabulary quiz
Procedure/ Instructional Delivery	○ Prelab discussion ○ Coriolis effect lab ○ Post-lab discussion	○ Direct instruction: wind and Coriolis effect ○ Global winds: coloring ○ Closing: questions	○ Lesson introduction ○ Research work: the cycling of matter in the atmosphere ○ Close: analyze atmospheric interaction	○ Lesson review ○ Lesson 1 quiz	○ Lesson introduction ○ CER: claim ○ Direct instruction: formation of surface currents ○ Exploring visuals: Surface winds and surface currents ○ Closing: questions
Assessment	Lab paper	questions	questions	Lesson quiz	questions

Remarks					

Prepared by:

Angelito M. Rivera
Science Teacher