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 Lesson Self- Check Lesson Quiz	Lesson 2: Circulation in Earth's Ocean Exploration 1: Modeling surface currents	Lesson 2: Circulation in Earth's Ocean Exploration 1: Modeling surface currents	Lesson 2: Circulation in Earth's Ocean Exploration 2: Modeling Deep Currents	Lesson 2: Circulation in Earth's Ocean Exploration 2: Modeling Deep Currents
Objectives	• assess understanding of the lesson 1	• use model to study patterns of oceanic circulation in surface currents.	• use model to study patterns of oceanic circulation in surface currents.	• use models to represent energy and matter flow within systems and to describe phenomena related to deep ocean currents	• use models to represent energy and matter flow within systems and to describe phenomena related to deep ocean currents
Bellringer	(3 min) ocean current	(3 min) surface current	(3 min) global winds	(3 min) density	(3 min) vocabulary quiz
Procedure/ Instructional Delivery	○ Lesson review ○ Lesson 1 quiz	○ Lesson introduction ○ CER: claim ○ Direct instruction: formation of surface currents ○ Exploring visuals: Surface winds and surface currents ○ Closing: questions	○ Exploration: Modeling surface currents ○ Exploring visuals: wind system ○ Factors affecting current ○ CER: evidence	○ Prelab ○ Lab proper ○ Postlab	○ Density differences in ocean water ○ Analyze water density data ○ CER
Assessment	Lab paper	questions	CER	Lab rubric	CER
Remarks					

Prepared by:

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