



Edmore Public School  
706 Main St, Edmore, ND 58330

**Earth Science Lesson Plans for  
October 3-7, 2022  
6<sup>th</sup> hour, 1:37 – 2:29 PM**

	<b>Monday (Oct 3)</b>	<b>Tuesday (Oct 4)</b>	<b>Wednesday (Oct 5)</b>	<b>Thursday (Oct 6)</b>	<b>Friday (Oct 7)</b>
<b>Performance Standards</b>	<p><b>MS-ESS2-4</b> Develop a model to describe the cycling of water through Earth's systems driven by energy from the sun and the force of gravity.</p> <p><b>MS-ESS2-6</b> 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.</p>	<p><b>MS-ESS2-4</b> Develop a model to describe the cycling of water through Earth's systems driven by energy from the sun and the force of gravity.</p> <p><b>MS-ESS2-6</b> 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.</p>	<p><b>MS-ESS2-4</b> Develop a model to describe the cycling of water through Earth's systems driven by energy from the sun and the force of gravity.</p> <p><b>MS-ESS2-6</b> 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.</p>	<p><b>MS-ESS2-4</b> Develop a model to describe the cycling of water through Earth's systems driven by energy from the sun and the force of gravity.</p> <p><b>MS-ESS2-6</b> 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.</p>	<p><b>MS-ESS2-4</b> Develop a model to describe the cycling of water through Earth's systems driven by energy from the sun and the force of gravity.</p> <p><b>MS-ESS2-6</b> 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.</p>
<b>Topic</b>	<p><b>Lesson 2: Circulation in Earth's Ocean</b> <b>Exploration 2: Modeling Deep Currents</b></p>	<p><b>Lesson 2: Circulation in Earth's Ocean</b> <b>Exploration 3: Relating Ocean Circulation to the Flow of Matter and Energy</b></p>	<p><b>Lesson 2: Circulation in Earth's Ocean</b> <b>Exploration 3: Relating Ocean Circulation to the Flow of Matter and Energy</b></p>	<p><b>Lesson 2: Circulation in Earth's Ocean</b> <b>Exploration 3: Relating Ocean Circulation to the Flow of Matter and Energy</b></p>	<p><b>Lesson 2: Circulation in Earth's Ocean</b> Lesson self-check</p>
<b>Objectives</b>	<ul style="list-style-type: none"> <li>• use models to represent energy and matter flow within systems and to describe phenomena related to deep ocean currents</li> </ul>	<ul style="list-style-type: none"> <li>• study the ways in which variations in temperature and salinity work together with gravity to drive the movement of water throughout the oceans</li> </ul>	<ul style="list-style-type: none"> <li>• study the ways in which variations in temperature and salinity work together with gravity to drive the movement of water throughout the oceans</li> </ul>	<ul style="list-style-type: none"> <li>• study the ways in which variations in temperature and salinity work together with gravity to drive the movement of water throughout the oceans</li> </ul>	<ul style="list-style-type: none"> <li>• review for the coming lesson quiz</li> </ul>
<b>Bellringer</b>	(3 min) vocabulary quiz	(3 min) surface current	(3 min) surface current	(3 min) surface current	(3 min) vocabulary quiz
<b>Procedure/ Instructional Delivery</b>	<ul style="list-style-type: none"> <li>o Lab paper</li> <li>o The formation of deep currents</li> <li>o Analyze current in the Mediterranean Sea</li> <li>o CER</li> </ul>	<ul style="list-style-type: none"> <li>o Introduction: Earth's oceans as a system</li> <li>o Reading: convection current in the ocean</li> <li>o Interpreting picture: convection current</li> <li>o Questions</li> </ul>	<ul style="list-style-type: none"> <li>o Interpreting picture: Global circulation</li> <li>o Pair task: circulation in the school</li> <li>o Direct instruction: Flow of energy</li> <li>o Questions</li> </ul>	<ul style="list-style-type: none"> <li>o Reading: the cycling of matter</li> <li>o CER: evidence</li> <li>o Close: predict effects of a change in ocean circulation.</li> </ul>	<ul style="list-style-type: none"> <li>o CER: reasoning</li> <li>o Checkpoints</li> <li>o Interactive review</li> <li>o Review games</li> </ul>
<b>Assessment</b>	Lab paper	questions	Questions	close	CER

Remarks					
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Prepared by:

Angelito M. Rivera  
Science Teacher