

**Edmore Public School**  
**706 Main St, Edmore, ND 58330**

**Earth Science Lesson Plan**

**Dates:**  
 October 2 - 6, 2023

**Time and Period:**  
 9:35 - 10:27 AM, Second Period

**Performance Standard:**

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, September 25**

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|---|---|
| <b>Topic</b>                                  | Analyze Temperatures, pp. 50  |
| <b>Objectives</b>                             | Convert temperatures in degrees celsius to degrees fahrenheit and vice versa.   |
| <b>Bell Ringer</b>                            | Define <i>temperature</i> .   |
| <b>Procedure /<br/>Instructional Delivery</b> | <ul style="list-style-type: none"> <li>● Continuation of Laboratory Activity</li> <li>● Guided Practice</li> <li>● Use of Models</li> <li>● Group Discussion</li> </ul> |
| <b>Assessment</b>                             | Analyze Temperatures, pp. 50<br>Modeling Formation of Wind and Rain, pp. 53   |

**Tuesday, September 26**

|   |  |
|---|--|
| <b>Topic</b>                                  | Ice on Earth's Surface, pp. 58 and 59  |
| <b>Objectives</b>                             | Explain how gravity propels the movement of ice across earth's surface.  |
| <b>Bell Ringer</b>                            | Define <i>glaciers</i> .   |
| <b>Procedure /<br/>Instructional Delivery</b> | <ul style="list-style-type: none"> <li>● Discussion</li> <li>● Use of Maps and Simulations</li> <li>● Group Discussion</li> <li>● Laboratory Activity</li> </ul> |

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|-------------------|---|
| <b>Assessment</b> | Engineer it<br>Ice on Earth's surface, pp. 58 and 59<br>Water cycle, pp. 62<br>Checkpoints, pp. 66 and 67 |
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| <b>Wednesday, September 27</b>            |  |
|---|--|
| <b>Topic</b>                              | Review for Unit Test: Circulation of Earth's Air, pp. 19   |
| <b>Objectives</b>                         | Describe how differences in air pressure create wind and convection currents.                                    |
| <b>Bell Ringer</b>                        | Define <i>jet streams</i> .  |
| <b>Procedure / Instructional Delivery</b> | Interactive Review, Models, Discussion   |
| <b>Assessment</b>                         | Comparing Hemispheres, pp. 14<br>Checkpoints, pp. 22 and 23<br>Completion of Laboratory Activity: Make a Glacier |

| <b>Thursday, October 5</b>                |   |
|---|---|
| <b>Topic</b>                              | Review for Unit Test: Circulation in Earth's Oceans.  |
| <b>Objectives</b>                         | Explain the factors that affect the movement of water in oceans.                                  |
| <b>Bell Ringer</b>                        | Differentiate between <b>upwelling</b> and <b>downwelling</b> .                                   |
| <b>Procedure / Instructional Delivery</b> | Interactive Review, Models, Discussion, Simulation  |
| <b>Assessment</b>                         | Circulation in Earth's oceans, pp. 35 - 37<br>Continuation of Laboratory Activity: Make a Glacier |

| <b>Friday, October 6</b>                  |   |
|---|---|
| <b>Topic</b>                              | Unit Test and Continuation of Ice on Surface Laboratory Activity. |
| <b>Objectives</b>                         | State the factors that affect how fast a glacier moves.           |
| <b>Bell Ringer</b>                        | What are two factors that determine the rate of glacial movement? |
| <b>Procedure / Instructional Delivery</b> | Interactive Review, Models, Discussion                            |
| <b>Assessment</b>                         | Unit Test 1<br>Unit Introduction, pp. 78 and 79                   |

