

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

**Earth Science Lesson Plan**

**Dates:**

January 15 - 19, 2024

**Time and Period:**

9:35 - 10:27 AM, Second Period

**Performance Standard:**

**MS-ESS2-1**

Develop a model to describe the cycling of Earth's materials and the flow of energy that drives this process.

**MS-ESS2-2**

Construct an explanation based on evidence for how geoscience processes have changed Earth's surface at varying times and spatial scales.

**MS-ESS2-3**

Analyze and interpret data on the distribution of fossils and rocks, continental shapes, and seafloor structures to provide evidence of past plate motions.

**Monday, January 15**

<b>Topic</b>	Fossils and Unconformities, pp. 104 and 105
<b>Objectives</b>	Explain how erosion could cause unconformities.
<b>Bell Ringer</b>	Define unconformities.
<b>Procedure / Instructional Delivery</b>	Interactive Discussion, Simulation, Guided Practice, Hands-on / Lab Activity
<b>Assessment</b>	Fossils and Unconformities, pp. 104 and 105

**Tuesday, January 16**

<b>Topic</b>	Using Absolute and Relative Dating, pp. 101 - 103 Completion of Models
<b>Objectives</b>	Construct explanations about the absolute ages of rocks.
<b>Bell Ringer</b>	Define <b><i>absolute age</i></b> of rocks.
<b>Procedure / Instructional Delivery</b>	Interactive Discussion, Simulation, Guided Practice, Hands-on / Lab Activity
<b>Assessment</b>	Using Absolute and Relative Dating, pp. 101 - 103

<b>Wednesday, January 17</b>	
<b>Topic</b>	Evidence of Earth's Past, pp. 118 - 120
<b>Objectives</b>	Construct a scientific explanation about the time scales in which various rock formations formed.
<b>Bell Ringer</b>	See page 119 and match the rocks to the environment they likely formed in.
<b>Procedure / Instructional Delivery</b>	Interactive Discussion, Simulation, Guided Practice, Hands-on / Lab Activity
<b>Assessment</b>	Evidence of Earth's Past, pp. 118 - 120

<b>Thursday, January 18</b>	
<b>Topic</b>	Review Quiz Organizing Earth's History, pp. 122 and 123
<b>Objectives</b>	Examine how time scales describing Earth's history have been constructed.
<b>Bell Ringer</b>	Define <b>Index Fossils</b>
<b>Procedure / Instructional Delivery</b>	Interactive Discussion, Simulation, Guided Practice, Hands-on / Lab Activity
<b>Assessment</b>	Organizing Earth's History, pp. 122 and 123

<b>Friday, January 19</b>	
<b>Topic</b>	Quiz Divisions in Geologic Time, pp. 122 and 123
<b>Objectives</b>	Examine how time scales describing Earth's history have been constructed.
<b>Bell Ringer</b>	Where are we on the geologic time scale?
<b>Procedure / Instructional Delivery</b>	Interactive Discussion, Simulation, Guided Practice, Hands-on / Lab Activity
<b>Assessment</b>	Divisions in Geologic Time, pp. 122 and 123