

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

**Earth Science Lesson Plan**

**Dates:**

March 18 - 22, 2024

**Time and Period:**

9:35 - 10:27 AM, Second Period

**Performance Standard:**

**MS-ESS1-1**

Develop and use a model of the Earth-Sun-Moon system to describe the cyclic patterns of lunar phases, eclipses of the sun and moon, and seasons.

**MS-ESS1-2**

Develop and use a model to describe the role of gravity in the motions within galaxies and the solar system.

**MS-ESS1-2**

Compare and contrast physical features of planets in the solar system with a self-created scale system (i.e., Great Red Spot, Olympus Mons, and Mauna Loa).

**MS-ESS3-5**

Investigate factors that have caused changes in global temperatures over time.

**Monday, March 18**

<b>Topic</b>	Human Activity and Climate Change, pp. 239 - 240
<b>Objectives</b>	Examine potential solutions that can minimize the effects of human activities.
<b>Bell Ringer</b>	What are the effects of climate change on the biosphere, ice, and oceans?
<b>Procedure / Instructional Delivery</b>	Interactive Discussion, Hands-on / Laboratory Activity
<b>Assessment</b>	Human Activity and Climate Change, pp. 239 - 240

**Tuesday, March 19**

<b>Topic</b>	UNIT TEST: Human Impacts on Earth Systems Introduction to Daily Patterns in the Sky, pp. 6 and 7
<b>Objectives</b>	Use models to describe the apparent motion of the sun, moon, and stars.
<b>Bell Ringer</b>	Describe the apparent motion of the sun in the sky.

<b>Procedure / Instructional Delivery</b>	Interactive Discussion, Hands-on / Laboratory Activity
<b>Assessment</b>	Introduction to Daily Patterns in the Sky, pp. 6 and 7

<b>Wednesday, March 20</b>	
<b>Topic</b>	Model the Apparent Motion of the Sun, pp. 8 - 11
<b>Objectives</b>	Develop an explanation for night and day and the apparent motion of the sun in the sky.
<b>Bell Ringer</b>	Define <i>orbit</i> and use it in a sentence.
<b>Procedure / Instructional Delivery</b>	Interactive Discussion, Hands-on / Laboratory Activity
<b>Assessment</b>	Model the Apparent Motion of the Sun, pp. 8 - 11

<b>Thursday, March 21</b>	
<b>Topic</b>	Analyzing Moon Phases, pp. 12 - 16
<b>Objectives</b>	Develop an explanation for the changing appearance of the moon as seen from Earth.
<b>Bell Ringer</b>	Give three phases of the moon and draw it on your answer sheet.
<b>Procedure / Instructional Delivery</b>	Interactive Discussion, Hands-on / Laboratory Activity
<b>Assessment</b>	Analyzing Moon Phases, pp. 12 - 16

<b>Friday, March 22</b>	
<b>Topic</b>	Exploring Eclipses pp. 17 - 22 Review Quiz
<b>Objectives</b>	Model the earth-sun-moon system to develop an explanation for solar and lunar eclipses.
<b>Bell Ringer</b>	Differentiate between solar and lunar eclipse.
<b>Procedure / Instructional Delivery</b>	Interactive Discussion, Hands-on / Laboratory Activity

<b>Assessment</b>	Exploring Eclipses pp. 17 - 22
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