

Edmore Public School
706 Main St, Edmore, ND 58330

Earth Science Lesson Plan

Dates:
 April 22 - 26, 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-ESS1-3

Analyze and interpret data to determine scale properties of objects in the solar system.

Monday, April 22

Topic	Velocity and Orbits, pp. 134 and 135
Objectives	Investigate the role of gravitational force in projectile motion.
Bell Ringer	Define velocity
Procedure / Instructional Delivery	Interactive Discussion, Hands-on / Laboratory Activity
Assessment	Velocity and Orbits, pp. 134 and 135

Tuesday, April 23

Topic	Explaining the Motions of Objects in Space, pp.
Objectives	Explain how gravity affects the motion of objects in the universe.
Bell Ringer	What evidence does gravity have on space bodies in the universe?
Procedure / Instructional Delivery	Interactive Discussion, Hands-on / Laboratory Activity
Assessment	Modelling Scales in the Universe, pp. 114 - 116

Wednesday, April 24	
Topic	Determining Your Location Within Fields of Objects, pp. 107 - 109
Objectives	Model how perspective affects observations of a system of many parts.
Bell Ringer	What are globular pockets or stellar pockets?
Procedure / Instructional Delivery	Interactive Discussion, Hands-on / Laboratory Activity
Assessment	Determining Your Location Within Fields of Objects, pp. 107 - 109

Thursday, April 25	
Topic	Model the Solar System, pp. 95 - 97
Objectives	Create a model of the sun and planets.
Bell Ringer	Define <i>astronomical unit</i>
Procedure / Instructional Delivery	Interactive Discussion, Hands-on / Laboratory Activity
Assessment	Model the Solar System, pp. 95 - 97

Friday, April 26	
Topic	Investigate Parallax, pp. 87 and 88
Objectives	Use parallax to compare the relative distance between objects.
Bell Ringer	How did Ptolemy answer the problem about retrograde motion?
Procedure / Instructional Delivery	Interactive Discussion, Hands-on / Laboratory Activity
Assessment	Investigate Parallax, pp. 88