Edmore Public School 706 Main St, Edmore, ND 58330

Earth Science Lesson Plan	
Dates:	Time and Period:
April 15 - 19, 2024	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 15	
Торіс	Newton's Laws of Motion, pp. 124 - 126
Objectives	Explore applications of Newton's Laws, which relate force and motion of objects.
Bell Ringer	State the Laws of Motion.
Procedure / Instructional Delivery	Interactive Discussion, Hands-on / Laboratory Activity
Assessment	Newton's Laws of Motion, pp. 124 - 126

Tuesday, April 16	
Торіс	Modelling Gravity, pp. 127 - 130
Objectives	Analyze the equation for gravitational force to determine which changes in variables will increase the force.
Bell Ringer	Mathematically, write the equation for the universal law of gravitation.
Procedure / Instructional Delivery	Interactive Discussion, Hands-on / Laboratory Activity

Assessment	Modelling Gravity, pp. 127 - 130
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Wednesday, April 17	
Торіс	Gravity's Role in Orbital Model, pp. 131 - 133
Objectives	Predict the trajectory of a falling object based on Newton's laws of motion.
Bell Ringer	Define <i>projectile</i>
Procedure / Instructional Delivery	Interactive Discussion, Hands-on / Laboratory Activity
Assessment	Gravity's Role in Orbital Model, pp. 131 - 133

Thursday, April 18	
Topic	Velocity and Orbits, pp. 134 and 135 Review Quiz
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

Friday, April 19	
Торіс	Explaining the Motions of Objects in Space, pp. QUIZ
Objectives	Explore the velocity of a ball rolling on the table and how its path is affected after it rolls off the table.
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