Edmore Public School
706 Main St, Edmore, ND 58330

Physical Science Lesson Plan	
Dates: January 15 - 19, 2024	**Time and Period:** 10:30 - 11:22 AM, Third Period
Performance Standard: **HS-PS3-1** Create a mathematical model to calculate the change in the energy of one component in a system when the change in energy of the other component(s) and energy flows in and out of the system are known. **HS-PS3-2** Develop and use models to illustrate that energy is associated with motion and relative position of particles (objects). **HS-PS3-3** Design, build, and refine a device that works within given constraints to convert one form of energy into another form of energy	

Monday, January 15	
Topic	Graphing Accelerated Motion, pp. 376 - 379
Objectives	Interpret velocity-time graphs.
Bell Ringer	Define ***constant acceleration***
Procedure / Instructional Delivery	Guided Practice, Interactive Discussion, Hands - on / Laboratory Activity
Assessment	Graphing Accelerated Motion, pp. 376 - 379

Tuesday, January 16	
Topic	Motion and Forces, pp. 380 - 383
Objectives	Describe the different types of forces and their effect on the object.
Bell Ringer	Differentiate between balanced and unbalanced forces.
Procedure / Instructional Delivery	Guided Practice, Interactive Discussion, Hands - on / Laboratory Activity
Assessment	Motion and Forces, pp. 380 - 383

Wednesday, January 17	
Topic	Friction and Motion, pp. 383 - 385
Objectives	Describe the different types of forces and their effect on the object.
Bell Ringer	Differentiate between kinetic and static friction.
Procedure / Instructional Delivery	Guided Practice, Interactive Discussion, Hands - on / Laboratory Activity
Assessment	QuickLab, pp. 384

Thursday, January 18	
Topic	Review Quiz Computing for Speed, Velocity and Acceleration
Objectives	Compute for the average speed and velocity of a moving object
Bell Ringer	What is the unit of speed and velocity?
Procedure / Instructional Delivery	Guided Practice, Interactive Discussion, Hands - on / Laboratory Activity
Assessment	Review Quiz Computing for Speed, Velocity and Acceleration

Friday, January 19	
Topic	Quiz Static, Sliding, and Rolling Friction, pp. 386 and 387
Objectives	Predict which type of friction will be greatest and which will be smallest.
Bell Ringer	How does rolling, static, and sliding friction affect the movement of objects?
Procedure / Instructional Delivery	Guided Practice, Interactive Discussion, Hands - on / Laboratory Activity
Assessment	Quiz Completion of Laboratory Activity, pp. 386 and 387