

Edmore Public School
706 Main St, Edmore, ND 58330

Physical Science Lesson Plan

Dates:

February 12 - 14, 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, February 12

Topic	Quiz Energy of a Rolling Ball, pp. 462 - 463
Objectives	Measure the height, distance travelled, and time interval for a ball rolling down a ramp.
Bell Ringer	Give examples of objects in the classroom with a gravitational potential energy.
Procedure / Instructional Delivery	Guided Practice, Interactive Discussion, Hands - on / Laboratory Activity
Assessment	Energy of a Rolling Ball, pp. 462 - 463

Tuesday, February 13

Topic	Elastic and Inelastic Collision, pp. 417
Objectives	Differentiate between elastic and inelastic collisions and the application of the law of conservation of momentum.
Bell Ringer	Differentiate between elastic and inelastic collisions
Procedure /	Guided Practice, Interactive Discussion, Hands - on / Laboratory

Instructional Delivery	Activity
Assessment	Elastic and Inelastic Collision, pp. 417 Unit Project Preparation

Wednesday, February 14	
Topic	Unit Project Planning
Objectives	Use the principles of force, motion, and momentum to create a product to minimize the momentum of an egg while falling.
Bell Ringer	How do you compute impulse?
Procedure / Instructional Delivery	Guided Practice, Interactive Discussion, Hands - on / Laboratory Activity
Assessment	Unit Project Planning

Thursday, February 15	
NO SCHOOL	

Friday, February 16	
NO SCHOOL	