

Edmore Public School
706 Main St, Edmore, ND 58330

Physical Science Lesson Plan

Dates:
May 6 - 10, 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, May 6

FIELDTRIP

Tuesday, May 7

FIELDTRIP

Wednesday, May 8

Topic

Types of Energy, pp. 444 - 450

Objectives	Describe the factors affecting potential and kinetic energy and compute its value.
Bell Ringer	What is the difference between potential and kinetic energy?
Procedure / Instructional Delivery	Guided Practice, Interactive Discussion, Hands - on / Laboratory Activity
Assessment	What is Energy? pp. 444 - 450

Thursday, May 9

Topic	Conservation of Energy, pp. 453 - 456
Objectives	Describe the transformation of potential energy to kinetic energy and vice versa in a roller coaster.
Bell Ringer	State the law of conservation of energy.
Procedure / Instructional Delivery	Guided Practice, Interactive Discussion, Hands - on / Laboratory Activity
Assessment	Conservation of Energy, pp. 453 - 456

Friday, May 10

Topic	Newton's Laws of Motion
Objectives	Give examples that represent the three laws of motion.
Bell Ringer	Use an equation to represent the 2nd Law of Motion.
Procedure / Instructional Delivery	Guided Practice, Interactive Discussion, Hands - on / Laboratory Activity
Assessment	Newton's Laws of Motion