

Edmore Public School
706 Main St, Edmore, ND 58330

Physical Science Lesson Plan

Dates:

February 5 - 9, 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 5

Topic	Completion of Laboratory Activity Patch Making for Earth Day
Objectives	Bring awareness and develop consciousness about the environmental condition of our planet and North Dakota.
Bell Ringer	What can the Earth be described as at present?
Procedure / Instructional Delivery	Guided Practice, Interactive Discussion, Hands - on / Laboratory Activity
Assessment	Completion of Laboratory Activity

Tuesday, February 6

Topic	Power, 433 - 434
Objectives	Relate power as the rate of doing work.
Bell Ringer	How do you compute power?
Procedure / Instructional Delivery	Guided Practice, Interactive Discussion, Hands - on / Laboratory Activity

Assessment	Power, 433 - 434
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Wednesday, February 7	
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Topic	Simple Machines, pp. 438 - 444
Objectives	Describe the six types of simple machines.
Bell Ringer	Differentiate the three classes of levers.
Procedure / Instructional Delivery	Guided Practice, Interactive Discussion, Hands - on / Laboratory Activity
Assessment	Simple Machines, pp. 438 - 442

Thursday, February 8	
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Topic	What is Energy? pp. 444 - 450
Objectives	Describe the factors affecting potential and kinetic energy and compute its value.
Bell Ringer	How do you compute potential and kinetic energy?
Procedure / Instructional Delivery	Guided Practice, Interactive Discussion, Hands - on / Laboratory Activity
Assessment	Conservation of Momentum, pp. 418 - 419

Friday, February 2	
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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 Review Quiz