

Edmore Public School
706 Main St, Edmore, ND 58330

Physical Science Lesson Plan

Dates:

January 29 - February 2, 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 29

Topic	Completion of Laboratory Activity Free Fall and Projectile Motion, pp. 408 - 410
Objectives	Describe objects that are moving through the air and acted on only by gravity.
Bell Ringer	Define <i>projectile motion</i>
Procedure / Instructional Delivery	Guided Practice, Interactive Discussion, Hands - on / Laboratory Activity
Assessment	Free Fall and Projectile Motion, pp. 408 - 410

Tuesday, January 30

Topic	Newton's Third Law of Motion, pp. 412 - 415
Objectives	State Newton's third law of motion and describe several examples of the law in operation.
Bell Ringer	Define <i>momentum</i>
Procedure / Instructional Delivery	Guided Practice, Interactive Discussion, Hands - on / Laboratory Activity

Assessment	Newton's Third Law of Motion, pp. 412 - 415
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Wednesday, January 31	
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Topic	Conservation of Momentum - Building a Catapult, pp. 418 - 419
Objectives	Predict how Newton's Third Law of Motion will affect a catapult and an object shot from the catapult.
Bell Ringer	State the law of conservation of momentum.
Procedure / Instructional Delivery	Guided Practice, Interactive Discussion, Hands - on / Laboratory Activity
Assessment	Conservation of Momentum, pp. 418 - 419

Thursday, February 1	
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Topic	Review for Unit Test Practice Problems in Momentum
Objectives	Describe momentum as the product of mass and velocity.
Bell Ringer	How do you get momentum?
Procedure / Instructional Delivery	Guided Practice, Interactive Discussion, Hands - on / Laboratory Activity
Assessment	Review for Unit Test Practice Problems in Momentum

Friday, February 2	
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Topic	Unit Test Completion of Laboratory Activity
Objectives	Predict how Newton's Third Law of Motion will affect a catapult and an object shot from the catapult.
Bell Ringer	How do you compute mass if momentum and velocity are given?
Procedure / Instructional Delivery	Guided Practice, Interactive Discussion, Hands - on / Laboratory Activity
Assessment	Unit Test Completion of Laboratory Activity