

Edmore Public School
706 Main St, Edmore, ND 58330

Physical Science Lesson Plan	
Dates: February 26 - 29, 2024	Time and Period: 10:30 - 11:22 AM, Third Period
<p>Performance Standard:</p> <p>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.</p> <p>HS-PS3-2 Develop and use models to illustrate that energy is associated with motion and relative position of particles (objects).</p> <p>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</p>	

Monday, February 26	
Topic	Project: Egg Engineering - Creation of Slide Presentation
Objectives	Apply concepts of momentum, impulse, force and energy in designing a carrier/contraption that will prevent an egg from breaking when dropped from a certain height
Bell Ringer	What would you improve in your work and why?
Procedure / Instructional Delivery	Guided Practice, Interactive Discussion, Hands - on / Laboratory Activity
Assessment	Project: Egg Engineering - Creation of Slide Presentation

Tuesday, February 27	
Topic	Project: Egg Engineering - Checking of Slide Presentation and Mock Presentation
Objectives	Apply concepts of momentum, impulse, force and energy in designing a carrier/contraption that will prevent an egg from breaking when dropped from a certain height
Bell Ringer	Which one has a greater momentum, a large boulder or a tiny rock? Note that they move at the same speed.

Procedure / Instructional Delivery	Guided Practice, Interactive Discussion, Hands - on / Laboratory Activity
Assessment	Project: Egg Engineering - Checking of Slide Presentation and Mock Presentation

Wednesday, February 28	
Topic	Presentation Electric Charge and Force, pp. 582 - 584
Objectives	Describe the effects of electrical charges on each other.
Bell Ringer	Differentiate between <i>electric charge</i> and <i>electric force</i> .
Procedure / Instructional Delivery	Guided Practice, Interactive Discussion, Hands - on / Laboratory Activity
Assessment	Electric Charge and Force, pp. 582 - 584

Thursday, February 29	
Topic	Current pp. 582 - 584
Objectives	Describe how energy in a circuit is transferred by current.
Bell Ringer	Differentiate <i>voltage</i> and <i>current</i> .
Procedure / Instructional Delivery	Guided Practice, Interactive Discussion, Hands - on / Laboratory Activity
Assessment	Project: Egg Engineering - Completion of Post Lab Report

Friday, March 1	
NO SCHOOL	