

**Edmore Public School**  
**706 Main St, Edmore, ND 58330**

**Physical Science Lesson Plan**

**Dates:**  
 March 18 - 22, 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, March 18**

<b>Topic</b>	Analyzing Parallel and Series Circuits, pp. 632 - 637
<b>Objectives</b>	Describe the current and voltage across the components of a parallel and series circuit.
<b>Bell Ringer</b>	Differentiate parallel and series circuits in terms of current.
<b>Procedure / Instructional Delivery</b>	Guided Practice, Interactive Discussion, Hands - on / Laboratory Activity
<b>Assessment</b>	Electric Currents from Magnetism, pp. 632 - 637

**Tuesday, March 19**

<b>Topic</b>	Electromagnetic Induction, pp. 632 - 634
<b>Objectives</b>	Describe how relative motion between a conductor and magnetic field can induce current.
<b>Bell Ringer</b>	Define <b><i>Electromagnetic Induction</i></b>
<b>Procedure / Instructional Delivery</b>	Guided Practice, Interactive Discussion, Hands - on / Laboratory Activity

<b>Assessment</b>	Electromagnetic Induction, pp. 632 - 634
-------------------	--

<b>Wednesday, March 20</b>	
----------------------------	--

<b>Topic</b>	Electric Currents from Magnetism, pp. 632 - 638
<b>Objectives</b>	Describe how relative motion between a conductor and magnetic field can induce current.
<b>Bell Ringer</b>	Differentiate between <i>step-up and step-down transformers</i> .
<b>Procedure / Instructional Delivery</b>	Guided Practice, Interactive Discussion, Hands - on / Laboratory Activity
<b>Assessment</b>	Electric Currents from Magnetism, pp. 632 - 637

<b>Thursday, March 21</b>	
---------------------------	--

<b>Topic</b>	Review Quiz Electromagnetic Force, pp. 634 - 637
<b>Objectives</b>	Describe how the magnetic field of an electric current can be used to create a magnetic field
<b>Bell Ringer</b>	Define <i>Alternating Current</i>
<b>Procedure / Instructional Delivery</b>	Guided Practice, Interactive Discussion, Hands - on / Laboratory Activity
<b>Assessment</b>	Review Quiz Electromagnetic Force, pp. 634 - 637

<b>Friday, March 22</b>	
-------------------------	--

<b>Topic</b>	<b>UNIT TEST</b> Introduction to Waves and Light, 505 - 507
<b>Objectives</b>	Describe wave and wave generation.
<b>Bell Ringer</b>	Define <i>electromagnetic waves</i> and use it in a sentence.
<b>Procedure / Instructional Delivery</b>	Assessment, Interactive Discussion, Simulation
<b>Assessment</b>	<b>UNIT TEST</b> Introduction to Waves and Light, 505 - 507

