

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

**Physical Science Lesson Plan**

**Dates:**

April 8 - 12, 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, April 8**

<b>Topic</b>	The Nature of Light, pp. 552 - 558
<b>Objectives</b>	Describe the wave nature of light.
<b>Bell Ringer</b>	Define <i>photons</i>
<b>Procedure / Instructional Delivery</b>	Guided Practice, Interactive Discussion, Hands - on / Laboratory Activity
<b>Assessment</b>	The Nature of Light, pp. 552 - 558

**Tuesday, April 9**

<b>Topic</b>	Reflection of Light, pp. 560 - 563
<b>Objectives</b>	Describe the behavior of light when reflected on a curved mirror.
<b>Bell Ringer</b>	Differentiate between virtual and real image.
<b>Procedure / Instructional Delivery</b>	Guided Practice, Interactive Discussion, Hands - on / Laboratory Activity
<b>Assessment</b>	Reflection of Light, pp. 560 - 563

Wednesday, April 10	
<b>Topic</b>	Reflection and Color, pp. 560 - 565
<b>Objectives</b>	Model how colors reflect, absorb, and interact with each other
<b>Bell Ringer</b>	Differentiate between additive primary colors and subtractive primary colors.
<b>Procedure / Instructional Delivery</b>	Guided Practice, Interactive Discussion, Hands - on / Laboratory Activity
<b>Assessment</b>	Reflection and Color, pp. 560 - 565

Thursday, April 11	
<b>Topic</b>	Refraction, Lenses, and Prisms pp. 566 - 571
<b>Objectives</b>	Describe and predict image formation and magnification.
<b>Bell Ringer</b>	Differentiate between <i>converging and diverging lenses</i> .
<b>Procedure / Instructional Delivery</b>	Guided Practice, Interactive Discussion, Hands - on / Laboratory Activity
<b>Assessment</b>	Refraction, Lenses, and Prisms pp. 566 - 571

Friday, April 12	
<b>Topic</b>	QUIZ Lenses and Images, pp. 574 and 575
<b>Objectives</b>	Observe images formed by a convex lens.
<b>Bell Ringer</b>	Differentiate between <i>convex and concave lenses</i> .
<b>Procedure / Instructional Delivery</b>	Guided Practice, Interactive Discussion, Hands - on / Laboratory Activity
<b>Assessment</b>	QUIZ Lenses and Images, pp. 574 and 575