

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

**Physical Science Lesson Plan**

**Dates:**

December 18 - 21, 2023

**Time and Period:**

10:30 - 11:22 AM, Third Period

**Performance Standard:**

**HS-PS1-1**

Use the periodic table as a model to predict the relative properties of elements based on the patterns of electrons in the outermost energy level of atoms.

**HS-PS1-5**

Apply scientific principles and evidence to provide an explanation about the effects of the reacting particles on the rate at which a reaction occurs.

**HS-PS1-7**

Use mathematical representations to support the claim that atoms, and therefore mass, are conserved during a chemical reaction.

**Monday, December 18**

<b>Topic</b>	Project Work Period
<b>Objectives</b>	Demonstrate understanding of chemistry concepts including chemical reactions, mixtures, solubility, acids and bases.
<b>Bell Ringer</b>	What are the first (3) chemistry concepts demonstrated in your project?
<b>Procedure / Instructional Delivery</b>	Guided Practice, Interactive Discussion, Hands - on / Laboratory Activity
<b>Assessment</b>	Unit Project Worksheet and Presentation

**Tuesday, December 19**

<b>Topic</b>	Project Presentation
<b>Objectives</b>	Demonstrate understanding of chemistry concepts including chemical reactions, mixtures, solubility, acids and bases.
<b>Bell Ringer</b>	What is Malliard's reaction?
<b>Procedure / Instructional Delivery</b>	Guided Practice, Interactive Discussion, Hands - on / Laboratory Activity

<b>Assessment</b>	Unit Project Worksheet and Presentation
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<b>Wednesday, December 20</b>	
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<b>Topic</b>	Stoichiometry
<b>Objectives</b>	Calculate the amount (in moles or grams) of a particular substance produced or used in a chemical reaction.
<b>Bell Ringer</b>	How many grams are there in 1 mole of $\text{NH}_3$ ?
<b>Procedure / Instructional Delivery</b>	Guided Practice, Interactive Discussion, Hands - on / Laboratory Activity
<b>Assessment</b>	Review Quiz

<b>Thursday, December 21</b>	
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<b>Topic</b>	Quiz: Chemical Nomenclature of Acids and Bases and Stoichiometry
<b>Objectives</b>	Calculate the amount (in moles or grams) of a particular substance produced or used in a chemical reaction.
<b>Bell Ringer</b>	How do you use the mole ratio when calculating the amount (moles or grams) of a particular substance?
<b>Procedure / Instructional Delivery</b>	Guided Practice, Interactive Discussion, Hands - on / Laboratory Activity
<b>Assessment</b>	Quiz

<b>Friday, December 22</b>	
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<b>NO SCHOOL</b>	
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