

Edmore Public School
706 Main St, Edmore, ND 58330

Physical Science Lesson Plan

Dates:

December 11 - 15, 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 11

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| Topic | Naming Acids and Bases pp. 293 - 299 |
| Objectives | Use nomenclature to write the names and chemical formulas of acids and bases. |
| Bell Ringer | Give the chemical formula of Nitric acid and Potassium hydroxide. |
| Procedure / Instructional Delivery | Guided Practice, Interactive Discussion, Hands - on / Laboratory Activity |
| Assessment | Unit Project Worksheet Worksheet |

Tuesday, December 12

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| Topic | Continuation: Writing Chemical Formulas of Acids and Bases pp. 293 - 299 |
| Objectives | Use nomenclature to write the names and chemical formulas of acids and bases. |
| Bell Ringer | Give the chemical formula of Sulfurous acid and Phosphoric acid. |
| Procedure / | Guided Practice, Interactive Discussion, Hands - on / Laboratory |

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| Instructional Delivery | Activity |
| Assessment | Unit Project Worksheet Worksheet |

Wednesday, December 13

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| Topic | Unit Project Work Period |
| Objectives | Demonstrate understanding of chemistry concepts including chemical reactions, mixtures, solubility, acids and bases. |
| Bell Ringer | Which ingredients are elements, compounds, or mixtures? Give two ingredients. |
| Procedure / Instructional Delivery | Guided Practice, Interactive Discussion, Hands - on / Laboratory Activity |
| Assessment | Unit Project Work Period |

Thursday, December 14

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| Topic | Factors Affecting Solubility, pp. 270 - 273 Unit Project Work Period |
| Objectives | Describe the factors that affect solubility. |
| Bell Ringer | List down (3) factors that affect the solubility of substances. |
| Procedure / Instructional Delivery | Guided Practice, Interactive Discussion, Hands - on / Laboratory Activity |
| Assessment | Practice Worksheet Unit Project Worksheet |

Friday, December 15

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| Topic | Unit Project Work Period |
| Objectives | Demonstrate understanding of chemistry concepts including chemical reactions, mixtures, solubility, acids and bases. |
| Bell Ringer | How does stoichiometry apply to baking? |
| Procedure / Instructional Delivery | Guided Practice, Interactive Discussion, Hands - on / Laboratory Activity |
| Assessment | Unit Project Work Period |

