

Edmore Public School
706 Main St, Edmore, ND 58330

Physical Science Lesson Plan

Dates:

August 28 - September 1, 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-PS1-2

Construct an explanation for the outcome of a simple chemical reaction based on the outermost electron states of atoms, trends in the periodic table, and knowledge of the patterns of chemical properties.

Monday, August 28

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| Topic | Classifying Matter <i>pp. 45-50 of Physical Science Textbook</i> |
| Objectives | Differentiate elements and compounds. |
| Bell Ringer | Explain how the meanings of the terms differ: <ul style="list-style-type: none"> ● <i>Atom and molecule</i> ● <i>Molecule and compound</i> |
| Procedure / Instructional Delivery | Discussion, Hands-on Activity: Mystery Mixture, Exit Ticket |
| Assessment | <ul style="list-style-type: none"> ● Quick Lab, pp. 48 ● Section Review 1, pp. 50 ● WS no. 1 Classifying Matter |

Tuesday, August 29

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| Topic | Review: Matter <i>pp. 51-55 of Physical Science Textbook</i> |
| Objectives | Differentiate physical properties of matter. |
| Bell Ringer | Why is density classified as a physical property? |
| Procedure / Instructional Delivery | <ul style="list-style-type: none"> ● Discussion ● Guided Practice: Solving for Density, pp. 54 ● Hands-on Activity: Density of Water ● Exit Ticket |

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| Assessment | <ul style="list-style-type: none"> • Quick Lab, pp. 55 • Comparing Planet Densities |
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| Wednesday, August 30 | |
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| Topic | Chemical Properties of Matter <i>pp. 56-58 of Physical Science Textbook</i> |
| Objectives | Differentiate chemical properties of matter. |
| Bell Ringer | Why are flammability and reactivity classified as chemical properties? |
| Procedure / Instructional Delivery | Discussion, Quick Lab: Reactivity, Exit Ticket |
| Assessment | <ul style="list-style-type: none"> • Quick Lab, pp. 58 • Section 2 Review nos. 1-5, pp. 58 |

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| Thursday, August 31 | |
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| Topic | Changes of Matter <i>pp. 59-65 of Physical Science Textbook</i> |
| Objectives | Give examples of physical and chemical change in matter |
| Bell Ringer | Differentiate chemical change and physical change. |
| Procedure / Instructional Delivery | Discussion, Inquiry Laboratory Activity: Can you separate a mixture? |
| Assessment | Inquiry Lab, pp. 63 Section 3 Review pp. 64 |

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| Friday, September 1 | |
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| Topic | Converting Units and Lesson Review <i>pp. 68-71 of Physical Science Textbook</i> |
| Objectives | Use appropriate unit of measurements and convert one unit to the other |
| Bell Ringer | Define <i>density</i> . |
| Procedure / Instructional Delivery | Discussion, Review, and Application of Understanding Properties of Matter |
| Assessment | Quiz nos. 1- 20 pp. 70-71 |