



Edmore Public School
706 Main St, Edmore, ND 58330

**Chemistry Lesson Plans for
October 24-28, 2022
3rd Hour, 8:40 – 9:32 AM**

	Monday (Oct 24)	Tuesday (Oct 25)	Wednesday (Oct 26)	Thursday (Oct 27)	Friday (Oct 28)
Performance Standards	HS-PS1-7 Use mathematical representations to support the claim that atoms, and therefore mass, are conserved during a chemical reaction.	HS-PS1-7 Use mathematical representations to support the claim that atoms, and therefore mass, are conserved during a chemical reaction.	HS-PS1-7 Use mathematical representations to support the claim that atoms, and therefore mass, are conserved during a chemical reaction.	HS-PS1-7 Use mathematical representations to support the claim that atoms, and therefore mass, are conserved during a chemical reaction.	HS-PS1-7 Use mathematical representations to support the claim that atoms, and therefore mass, are conserved during a chemical reaction.
Topic	Mendeleev and the Periodic Table	Element Bingo	Periodic Table Basics	Classifying Elements	Periodic Trends
Objectives	<ul style="list-style-type: none"> Explain an element's placement on the periodic table in terms of its number of protons and arrangement of outer electrons 	<ul style="list-style-type: none"> describe the energy level of different elements by the color of fire it produces 	<ul style="list-style-type: none"> differentiate between metals and nonmetals in terms of number of valence electrons, electron behavior and reactivity. 	<ul style="list-style-type: none"> classify elements based on their physical properties 	<ul style="list-style-type: none"> describe the different periodic trends in the periodic table
Bellringer	(3 min) Mendeleev	(3 min) orbital	(3 min) family, series	(3 min) metal, non-metal, metalloids	(3 min) Vocab quiz
Procedure/ Instructional Delivery	<ul style="list-style-type: none"> Engage: (5 min) Answer the question "What are two examples of categorization that have made your life easier?" Discuss how categorization was done in grocery shop then relate it to periodic table arrangement. 	<ul style="list-style-type: none"> Intro-Activity: Making words out of element symbols Making element bingo cards Play Element Bingo Exit ticket: naming symbols 	<ul style="list-style-type: none"> Engage (15 min): watch "Searching for Element" video Explore/Explain: Periodic table coloring Evaluate: KWL Reflection 	<ul style="list-style-type: none"> Review: Physical Properties Quicklab: properties of metals Direct instruction: metal, non-metals, and metalloids 	<ul style="list-style-type: none"> Review: missing agent activity Atomic weight activity Discussion

	<ul style="list-style-type: none"> ○ Explore (22 min): Do “Are you as clever as Mendeleev Activity” ○ Elaborate (10 min): Watch Mendeleev video. Answer Mendeleev worksheet ○ Evaluate (10 min): complete species worksheet 				
Assessment	worksheet	Exit ticket	Intro lab rubric	Quicklab worksheet	Exit Ticket
Remarks					

Prepared by:

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