

Chemistry Lesson Plan

Topic	Structure and Properties of Matter
Lesson Title	Periodic Table
Lesson Number	7a
Next Generation Science Standards:	<p>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.</p> <p>HS-PS1-2. Construct and revise 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.</p>
Learning objectives:	<ul style="list-style-type: none"> Describe how the layout of the periodic table has changed over time.
"I can" statement:	<ul style="list-style-type: none"> I can describe how the periodic table has been reordered based on current scientific knowledge of the time.
Prior Knowledge:	
<ul style="list-style-type: none"> Atomic and mass numbers 	
Vocabulary:	
Atomic number, atomic mass, property, groups,	
Summary of Activities:	
<ol style="list-style-type: none"> Distribute and complete bell ringer activity. Discuss guided notes and slideshow, with students. Complete the Vocabulary worksheet (if time allows) Exit quiz 	
Additional Resources:	
YouTube clips on:	
<ul style="list-style-type: none"> History of the periodic table Introduction to the periodic table 	
Homework:	
Homework task	
Assessment:	
<ul style="list-style-type: none"> Bell work Exit quiz End of unit review 	