Chemistry - Atoms & the Periodic Table

Time Frame: 15 days	Unit Title: Atoms & the Periodic Table	Course Name: Chemistry
Stage 1: Desired Results		
Established Goal(s)	Transferable Skills	
NGSS Standards Addressed: 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.	Students will be able to independently use their leads based on data.	earning to
	Meaning	
	 Understandings Students will understand that ★ The relationships between neutrons, electrons, and protons. ★ Average atomic mass can be predicted from isotopic data. ★ Electrons are organized around the nucleus. ★ Emission data can identify elements. ★ Periodic Table can be used to determine the structure of an element. ★ Periodicity of the Periodic Table allows you to predict properties 	 ★ How do scientists know the elements that make up stars and planets? ★ How do scientists know properties of elements that are yet to be discovered?
	Acquisition	
	Students will know ★ The structure of an atom	students will be able to ★ Analyzing the emission spectrum of an atom