

UrbanPromise Academy  
Engaging In The Pursuit of Excellence

Lesson Plan

Subject: Chemistry Grade: 12 Instructor: Nogal Week: 11/09-11/13

		Monday	Tuesday	Wednesday	Thursday	Friday
<b>NJCCCS:</b>		5.6.12A, 12B				
<b>Essential Question/Focus:</b>		Complete notes and work on periodic table				
<b>Goals/Skills:</b>		Finish basic notes on the general properties of the periodic table	Teach how to draw electron dot diagrams of elements [Lewis Dot Structures]	No class	Lab Day	Teach the basics of Atomic Orbitals [1s <sup>2</sup> , 2s <sup>2</sup> , etc]
<b>P r o c e d u r e s</b>	<b>Anticipatory Set</b>	<p>“Write down 2 qualities of a metal. Write down 2 qualities of a non-metal.”</p> <p>Complete the notes via powerpoint and board about the trends of the periodic table. Show graphs and illustrations of the trends.</p> <p>Highlight important points and qualities of the periodic trends. Assign periodic trends worksheet as homework.</p> <p>Class participation Homework at 80% completion</p>	<p>“What is a valence electron?”</p> <p>Go over periodic trends homework. Introduce and illustrate electron dot diagrams [Lewis Dot Structures]</p> <p>Review the rules for drawing these diagrams Assign homework reviewing how to draw Lewis Dot Structures</p> <p>Class notetaking participation Homework at 80% completion</p>		<p>Introduce the lab creating ice cream lab</p> <p>Have students create ice cream using the lab guidelines and report on their recipe, as well as what was happening in the ways of a reaction in order to freeze the milk to ice cream.</p> <p>Assign the questions at the end of the lab for the students to complete as homework.</p> <p>Class participation Behavior during the laboratory Lab completion at 80%</p>	<p>“Draw the Lewis Dot Structure for Zn.”</p> <p>Collect lab handout and Lewis Dot Structure homework. Go over the homework. Teach the basics of filling Atomic Orbitals</p> <p>Alert students to test coming up in 1.5 weeks, commulative including states of matter, atomic theory, the periodic table, Lewis Dot Structures and Atomic Orbitals Assign orbitals homework</p> <p>Class participation Homework completion</p>
	<b>Lesson Development</b>					
	<b>Lesson Closure</b>					
	<b>Authentic Assessment</b>					
<b>Materials/Resources Needed</b>		Homework handout Notebooks	Notebook Homework assignment		Lab experiment papers Ice cream supplies	Homework worksheet