

Unit Plan Information	
Project Title	Periodic Table Unit
Name/Grade	Adam Fusco/ 10 - 12
Subject/Topics	Chemistry - Regents
Establish learning objectives	
Address content standards as you determine: If students remembered one thing about this study, what would it be? What is essential for students to know or understand about the subject?	
Enduring Understandings and Essential Questions	
Enduring Understandings	Essential Questions
The Periodic Table is arranged according to physical and chemical properties of elements.	Can you utilize the Periodic Table effectively? Where are the metals, nonmetals and metalloids located?
Periodic trends can be observed going left to right in a period (row) and top to bottom in a group (column).	What are the periodic trends of elements? What are the trends going down a column? What are the trends going left in a row?
Determine acceptable evidence of understanding	
What should students be able to do or express when they understand the learning objectives?	
<ul style="list-style-type: none"> • Students will be able to locate which side of the periodic table are the metals (metallic elements), metalloids and non-metals (non-metallic elements). • Students will be able to determine the tendencies and/or properties of all the elements due to the location on the periodic table. • Students will use "Inspiration 7" software to complete a graphic organizer using words provided on the periodic table. • Students will use the Internet to complete a Frayer Model for vocabulary words atomic radius and ionic radius. • Students will assess their understanding after watching a digital video of the periodic table by answering post video questions. • Students will understand the reactivity of the Alkaline Earth Metals after performing a laboratory on reactivity. • Students will become familiar with regents review questions on the periodic table by using the School Island website. • Students will be able to relate the how the periodic table is organized by arranging pictures according to their physical properties. 	
Plan instructional procedures	
Plan a sequence of instructional activities and assignments that address the learning objectives. Couch learning activities in simulations or authentic tasks that put students in charge of their learning. Plan work samples or performance tasks that allow students to express understanding of the learning objectives.	