MR. ALBERNAZ – PRE-AP (A DAY) AND REGULAR (B DAY) CHEMISTRY

AGENDAS FOR THE WEEK: *11/13 – 11/17*

	MONDAY (B DAY) 10:34AM-12:03PM	TUESDAY (A DAY) 10:34AM-12:03PM	WEDNESDAY (B DAY) 10:34AM-12:03PM	THURSDAY (A DAY) 10:34AM-12:03PM	FRIDAY (B DAY) 10:40AM-12:15PM
	Objective(s): SWBAT ***describe periodic families based on reactivity** ***name the groups of the periodic table and list their properties**	**Objective(s): SWBAT** ***use coulomb's law to calculate charges for points (electrons, protons, etc.** ***use coulomb's law to interpret periodic trends as a function of charge**	**Objective(s): SWBAT** ***demonstrate certain periodic trends in a visual way on a blank periodic table.** ***use periodic trends to identify elements' reactivity**	**Objective(s): SWBAT** ***use periodic trends to compare elements based on size, electronegativity, and other properties**	**Objective(s): SWBAT** ***demonstrate certain periodic trends in a visual way on a blank periodic table.** ***use periodic trends to identify elements' reactivity**
P	**Students will consider the layout of the periodic table. Students will then watch a short video on Mendeleev's periodic table.**	**Students will complete a warmup based on the periodic families. Students will then consider the periodic table based on properties of the individual atoms of the elements.**	**Students will complete a warm up on periodic families. Students will then be given a refresh on the elements of the periodic table while considering trends like reactivity and size.**	**Students will complete a warm up Coulomb's law. Student swill then consider charge when thinking of electron shielding and attraction to the nucleus.**	**Students will review concepts presented in the periodic families notes and color coding activity.**
L **A**	**Students will follow along with notes while watching videos about the families of the periodic table. Students will also see examples of different elements on the periodic table.**	**Students will complete a color coded periodic table that helps determine the properties of elements. Students will then complete a POGIL on Coulomb's law which will be used to understand more about periodic trends.**	**Students will move to their lab stations in order to begin color coding a periodic table based on properties like reactivity, conductivity, rarity, and more. Students will work in partners for the activity.**	**Students will complete guided notes on periodic trends, keeping in mind the Coulomb's law POGIL. Students will then complete practice worksheets on periodic trends.**	**Students will complete a "Mendeleev Maze," where they will complete a blank periodic table using similar methods that Mendeleev used when creating his periodic table. Students will work in groups to complete the maze, listing different properties of elements including trends, reactivity, etc.**
N	Student **questions throughout the lesson will gauge understanding as the activity progresses.**	**Students will turn in their POGILs to be used as an evaluation. In addition, student questions throughout the lesson will gauge understanding as the activity progresses.**	**Students' periodic tables will be collected so that they can be used as an evaluation.**	**Students' worksheets will be collected as an evaluation.**	**Students will turn in their Mendeleev Maze for evaluation.**