***Lesson Plans for the Week of: 1/2/17 Teacher: Hough Course: Chemistry Period: 9***

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| Elements of  a Lesson | **Monday** | **Tuesday** | **Wednesday** | **Thursday** | **Friday** |
| Objective/  Focus/  Essential  Question | No school | Pre-CH  Ionic compounds: naming using polyatomic ions  Go over exam; remediate | CH.5d-f  --differentiate between polyatomic ions and monatomic ions  --How to name non-binary ionic compounds, given the chemical formula | CH.3c  --Write chemical formulas for binary ionic compounds, given only the name of the compound | CH.3a,c,d  --Write the chemical formula for non-binary ionic compounds, given the name of the compound |
| Lesson/Act.  Type of Presentation |  | Go over exam grades  Whole group:  Go over differences between elements, mixtures, and compounds  Individual:  Worksheet: Organize properties into proper categories—mixtures, compounds, elements  Individual:  Students write names and formulas of 6 polyatomic ions: hydroxide, carbonate, phosphate,nitrate, sulfate, and ammonium: memorize for next text and for later usage | Whole group:  Review thermal energy equations.  Review how to convert from grams to moles.  Practice two sample problem.  Individual:  Practice solving q problems | Individual:  Bellwork: Name 5 binary ionic compounds  Whole group:  Go over bellwork:  Review when to write Roman numerals in names of ionic compounds  Individual: Student practice  Post-practice naming drill  Individual:  Students write names and formulas of 6 polyatomic ions: hydroxide, carbonate, phosphate,nitrate, sulfate, and ammonium: memorize for next text and for later usage  Introduce: how to write formula for binary ionic compound, given the name | Whole group:  Review previous day’s work  Add: How to write ionic formula for names which have Roman numerals  --Meaning of the Roman numeral was included in the lesson  Individual:  Student practice writing chemical formula for binary ionic compounds ws 3 #4,7 |
| Evaluation |  |  |  | End of class naming of ionic compounds | Teacher observation and results of student practice |
| Extension/  Homework |  |  |  |  | Homework: ws 3 #3,8 practice writing formulas for binary ionic compds |

MATERIALS:

Monday:

Tuesday:

Wednesday: textbook

Thursday: Unit 6 ws3 #3,4,7,8 worksheet

Friday: