***Lesson Plans for the Week of: 4/10/17 Teacher: Hough Course: Chemistry Period: 1,3,7/8***

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| Elements of  a Lesson | **Monday** | **Tuesday** | **Wednesday** | **Thursday** | **Friday** |
| Objective/  Focus/  Essential  Question | CH.3e;4d  a) Differentiate between strong and weak acids/bases  b)differentiate neutralization reaction from other types of reactions | CH.4d  a) Give example of indicators;  b) Calculate pH of an acid or base | CH.4c,d;5g  Quiz | CH.5g | No School |
| Lesson/Act.  Type of Presentation | Bellwork: name binary ionic compound; name HNO3  Go over  Give equation: pH=-log[conc]  a)Acid base vocabulary:  Dissociate, electrolytes  b) Clarify definitions of acids and bases  c) Differentiate between acids and bases;  d) explain the official difference between strong and weak acids/bases  e) new category of chemical reaction: explain how neutralization reactions look different than the other types of reaction | Bellwork: name binary ionic compound with polyatomic; name H2SO4  pH  titration  a) define indicators and give common indicators  b) illustrate use of indicator  c) illustrate use of buret in titration—define titration  d) Review pH from 8th grade (and other science classes)  e) Explain equation for calculating pH of an acid/base  f) Model how to calculate pH of an acid/base | Go over homework  Quiz  Read p. 534-537 about colligative properties and fill in accompanying worksheet | Bellwork: name binary covalent compound  Confirm, expand upon what students read in previous day about colligative properties; add that osmotic pressure is another example of a colligative property  Specify: |  |
| Evaluation |  | Exit pass | worksheet | 2-4 questions: A) how conc affects MP,BP; B) ionic vs covalent affects MP,BP |  |
| Extension/  Homework |  | homework: calculating pH from Holt problem sets or p. 657#12-13 and 659#16-17 |  |  |  |

MATERIALS:

Monday:

Tuesday: exit pass; review list

Wed.: quiz; textbook reading guide to Chapter 16-3

Thursday: exit pass?

Friday: