***Lesson Plans for the Week of: 3/20/17 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.2a,c,d,i  Modern Model of the atom (define valence electron)  Understand the following topics about the periodic table:  --Mendeleev developed it and arranged it in order of atomic mass  --atomic number provides the number of protons and electrons  --elements in the same group have the same number of valence electrons and similar chemical properties | CH.2a,c,d,i; 4a,b  Review for Test | CH.2a,c,d,i; 4a,b  Test | CH.5b  Understand and apply Dalton’s Law of Partial Pressures | No school |
| Lesson/Act.  Type of Presentation | Bellwork:  Limiting reactant, theoretical yield problem; add %yield  Whole group:  Explain features of the Modern Model of the atom, esp the electron cloud; the definition of valence electron; the subatomic particles in the atom and their charges, relative sizes, and locations within the atom | Review for test: meaning of coefficients, stoichiometry (mol-mol, g↔mol, limiting rx; % yield; last 3 scientists; modern model of atom  Spiral old material from previous test | Test | Whole Group:  Review pressure: concept, units  Explain the principle of Dalton’s Law of Partial Pressures—works only for mixtures of gases in an enclosed container  Define Dalton’s Law of Partial Pressures, give equation  There are 2 types of questions which utilize this principle: model one of each  Individual:  Student Practice |  |
| Evaluation |  |  |  | Student work in class and on homework problems |  |
| Extension/  Homework |  |  |  | Practice word problems utilizing this principle: worksheet |  |

MATERIALS:

Monday: Review guide for test

Tuesday:

Wed.: test; after-test material

Thursday: Dalton’s Law worksheet

Friday: