***Lesson Plans for the Week of: 2/6/17 Teacher: Hough Course: Chemistry Period: 9***

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| Elements of  a Lesson | **Monday** | **Tuesday** | **Wednesday** | **Thursday** | **Friday** |
| Objective/  Focus/  Essential  Question | CH.2f,i;3a,c,d;4a;6a,b  Review for test | CH.2i;2f,g;3a,c,d;4a;6a,b  Test | CH.1a,b,i,j,g;3b,e  investigate ratio of masses of reactants vs products | CH.1a,b,i,j,g; 3b,e  investigate ratio of masses of rectants vs products  Identify types of chemical reactions | CH.1a,b,i,j,g; 3b,e; 4a  relate the reactant/product ratio to the concept of balanced chemical reactions |
| Lesson/Act.  Type of Presentation | Review for test | Test  Students will read p. 346-350 and recognize the following terms:  Reactant, product, chemical equation, coefficients, and Table 11.1 on p. 348  If time permits, go over nail lab | Whole group:   1. Summarize nail lab   Small group:   1. Students will perform the first part of the nail lab   Whole group:   1. Refer students to the types of chemical reactions—listed in textbook, as time permits 2. Go over work from previous day: parts of chemical equation; reactants, products, subscripts, coefficients from 8th grade; significance of coefficients, if time permits | Small group:   1. Perform Day 2 steps for nail lab   Whole group:   1. Go over types of chemical reactions | Small group:   1. To finish nail lab, students will mass the dry copper and iron. They will then determine the number of moles of copper and iron and the copper to iron ratio.   Whole group:   1. Finish going over types of chemical reactions   Individual:   1. If time permits, students will complete analysis and conclusion sections of lab. |
| Evaluation |  |  | Though it is a little early for this, students performing the lab correctly and safely is a sliver of an indicator of this. | Discussion of “Rearranging Atoms” worksheet | 1. correct answers on lab worksheet 2. correct particle diagrams |
| Extension/  Homework |  |  | no homework  This is a multi-day lab. | no homework  This is a multi-day lab. | Tomorrow’s work on balancing chemical reaction will be a direct continuation from today’s whiteboard exercise |

MATERIALS:

Monday: teacher-made review guide

Tuesday: teacher-made test; textbook; Nail Lab Worksheet

Wednesday: Nail Lab worksheet; all supplies associated with nail lab;textbook

Thursday: Nail Lab worksheet; all supplies associated with nail lab; calcium chloride; coffee filters; dissicator; poker chips; whiteboards; markers; textbook; Start Background section of “Rearranging Atoms” worksheet from Modeling Curriculum

Friday: Nail Lab worksheet; all supplies associated with nail lab; calcium chloride; coffee filters; dissicator; poker chips; whiteboards; markers; whiteboards and markers