***Lesson Plans for the Week of: 3/6/17 Teacher: Hough Course: Chemistry Period: 1,3,7/8***

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| Elements ofa Lesson | **Monday** | **Tuesday** | **Wednesday** | **Thursday** | **Friday** |
| Objective/Focus/Essential Question | CH.4a,bcorrectly use BCA (before-change-after) diagrams to solve mole-gram stoichiometry problems | CH.4a,bcorrectly use BCA (before-change-after) diagrams to solve gram-mol stoichiometry problems | CH.4a,bSolve variety of stoichiometry problems with conversions | CH.4a,bDefine limiting reactantUse BCA diagrams to determine the limiting reactant | CH.24a,b (possibly CH.2f,i)define percent yieldReview, reteach topics of the week, as necessary |
| Lesson/Act.Type of Presentation | Whole group:Go over homeworkGuided practice of mol-mol stoichiometryIndividual:Independent practice: mol-g stoichiometry  | Whole group:Bellwork: mol-mol stoichiometry problemGo over homeworkdefine theoretical yieldModel how to solve a gram-mol stoichiometry problem Guided practice of the sameIndividual:Independent practice solving a gram-mol stoichiometry problem | Turn in homeworkPractice stoichiometry with various conversionsDifferentiation: Students with higher abilities work more independently, and work greater variety of conversion problems | Whole group:Define limiting reactantModel how to use BCA diagrams to determine the limiting reactant and excess reactantf) have students identify the limiting reactant and theoretical yield of one product for the practice problemsg) independent practice on rest of worksheet | Whole group:a) go over homework problemsb) define percent yield and actual yield; explain how this applies to chemical equationsc) model how to use actual yield to calculate percent yieldIndividual:d) Students will calculate percent yield |
| Evaluation | Teacher observation of student reaction and what students have written on their worksheets; bellwork | Teacher observation of student reaction and what students have written on their worksheets | correct work on worksheet | teacher observation of student work and questions | a) teacher observation of student work and questionsb) correct work on worksheet |
| Extension/Homework | Mol-mol stoichiometry textbook | Accuracy mol-mol | Accuracy stoichiometry with conversions | Limiting reactant problems | remainder of worksheet 2 |

MATERIALS:

Monday: Modeling ws 1; Phet simulation https://phet.colorado.edu/en/simulation/reactants-products-and-leftovers

Tuesday: teacher-made accuracy assignment; teacher-made mol-g OneNote worksheet;

Wed.: Variety of stoichiometry problems; stations?

Thursday: limiting reactant problems

Friday: teacher-made worksheet; Unit 8 worksheet 2 from modeling curriculum