**Pre-AP Chemistry Lesson Plan**  
**Unit 04: Chemical Equations**  
**October 26, 2007 – November 5, 2007**

*Note: All lesson plans are subject to change. Instructions given in class take precedence over information posted on the website. Please email any questions to elewis3@houstonisd.org.*

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| **FRIDAY**   |                                                                             | **UNIT DAY 1 (10/26)**  
1. DEMO: Combustion and Synthesis  
2. NOTES: Diatomic Elements, Writing and Balancing Chemical Rxns.  
3. TYPES OF CHEMICAL RXNS.  
4. HANDOUTS – notes and practice problems  
5. HW: Make sure you still have polyatomic ions memorized! |
| **MONDAY**   |                                                                             | **UNIT DAY 2 (10/29)**  
1. Juniors take NCDS test during 1st-3rd periods  
2. Other students report to S231 for 1st-3rd periods.  
   Note: *(I am a test administrator – Students will need to work together and support each other in periods 1-3 today)*  
3. INDEPENDENT PRACTICE 9-1: Identifying, writing, and balancing chemical rxns.  
4. HW: Complete Practice Problems 9-1; QUIZ Friday; TEST Monday11/5 |
| **TUESDAY**  |                                                                             | **UNIT DAY 3 (10/30)**  
1. Juniors take NCDS test part II during 1st-3rd periods  
2. Other students report to S231 for 1st-3rd periods.  
   Note: *(I am a test administrator – Students will need to work together and support each other in periods 1-3 today)*  
3. Self grade Practice Problems 9-1  
4. INDEPENDENT PRACTICE 9-2: Identifying, writing, and balancing chemical rxns.  
5. HW: Complete Practice Problems 9-2 for HW due Wed/Thurs; QUIZ Friday; TEST Monday11/5 |
| **WEDNESDAY/THURSDAY BLOCK** |                                                                             | **UNIT DAY 4 (10/31 or 11/1)**  
1. GRADE 9-2 for HW grade.  
2. NOTES: Net ionic equations, Using Solubility Rules to predict products of double displacement reactions.  
3. GUIDED AND INDEPENDENT PRACTICE: Predict (solid or aqueous) products of double displacement reactions.  
4. LAB: Net ionic reactions  
5. Diagnostic Practice QUIZ  
6. HW: LAB due Tuesday 11/6; QUIZ Friday 11/2; TEST Monday11/5 |
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| FRIDAY  | Predict products for synthesis, decomposition, and combustion reactions.     | **UNIT DAY 6 (11/2)**  
1. QUIZ: Writing and Balancing complete and net ionic Chemical Equations  
2. NOTES: Predicting Products of non double displacement reactions  
3. PRACTICE: Predict Products of non double displacement reactions |
|         | Use the activity series to predict products of single replacement reactions.  | **HW**: Study for Unit EXAM on Monday                                      |
| MONDAY  | Demonstrate knowledge of writing and balancing equations for the five general types of chemical reactions | **UNIT DAY 7 (11/5)**  
1. UNIT EXAM                                                                 |
|         |                                                                              | **HW**: Read Chapter 7 in preparation for next Unit.                        |