**JMS Lesson Plan**

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| **Teacher:** |  | | **Subject:** | | Science | |
| **Date:** | **Beginning:** 10/30/2017**Ending:**  11/3/2017 | | **Grades:** | | 8th | |
| **Learning**  **Targets:** | I can express how a chemical equation represents a chemical reaction.  I can balance a simple chemical equation.  I can explain the masses of reactants and products are equal through the law of conservation of mass. | | **Connects with:** | | **ELA – Powerful verbs**  **Short Constructed Response CSET** | |
| **Standard(s):** | S8P1 f. Construct an explanation based on evidence to describe conservation of matter in a chemical reaction including the resulting differences between products and reactants. Models could include balanced chemical equations. | | | | | |
| **DOK Level** | **Activities / Assignments / Questions** | | | **Assessment** | | |
| **­­**  **Remediation** | Atoms make up everything on Earth  Elements are pure substances and made of only one type atom.  Molecules are made of at least two atoms.  Compounds are new substances created from two or more elements. | | | Formative | | Selected Response  Constructed Response  Verbal  Rubric  Other |
|  |  | | |  | |  |
| **2** | Balancing Equations worksheet  Power Point – Introduction to Chemical Equations | | | Formative  Summative | | Selected Response -  Constructed Response –  Verbal  Rubric  Other – balancing equations t-chart |
| **3** | Simply Sublime – short constructed response questions (CSET) | | | Formative  Summative | | Selected Response  Constructed Response –  Verbal  Rubric  Other –  Other – |
| **4** | |  | | Formative  Summative | | Selected Response  Constructed Response -  Verbal  Rubric  Other –  Other – |
| **Resources:** | Textbook – Physical Science (McDougal Littell) | | | | | |

**Monday-** Introduction to Chemical Equations

Power Point, Guided Notes, Comprehension questions

Law of Conservation of Mass

**Tuesday-** Sublimation Lab

Dry Ice: Simply Sublime (short constructed response questions)

**Wednesday** – Balancing chemical equations

**Thursday** – Balancing chemical equations

**Friday** – Quiz – balancing chemical equations

**ANCHOR ACTIVITIES:**

USA Test Prep activities

<https://www.youtube.com/watch?v=AfXxZwNLvPA> Atoms, Elements, Molecules, Compounds

<https://www.youtube.com/watch?v=l1VXM_b2KFY> atoms, molecules, bonding

<https://www.youtube.com/watch?v=VSc491HLzDo> covalent and ionic bonding