**Lesson Plan Title: Molar Mass**

**Teacher’s Name: Mr.Gomez Subject/Course: Chemistry**

**Unit:** Click here to enter text. **Grade Level: College Prep**

**Overview of and Motivation for Lesson:**

**Molar mass is used to predict estimated product amount in reaction**

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| **Stage 1-Desired Results** |
| **Standard(s):*** Click here to enter text.
 |
| **Aim/Essential Question:*** How
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| **Understanding(s):***Students will understand that . . .** Each element & chemical have different molar masses
* Molar mass is calculated by adding up atomic mass of each element in a compound
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| **Content Objectives:** *Students will be able to . . .* * Calculate molar mass of elements of compounds using their periodic table
 | **Language Objectives:**ELD Level Choose an item. *Students will be able to . . . in English** Click here to enter text.

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| **Key Vocabulary*** Molar mass
* Mol
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| **Stage 2-Assessment Evidence** |
| **Performance Task or Key Evidence*** Solve Molar Mass problems
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| **Key Criteria to measure Performance Task or Key Evidence*** Calculate molar mass of compounds accurately
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| **Stage 3- Learning Plan** |
| **Learning Activities:**Do Now/Bell Ringer/Opener: Take out periodic table and Hand in CandiumLearning Activity 1:Molar mass notesLearning Activity 2:Molar mass examples, one as a class and one with people around youApplication **Molar mass will be useful once stoichiometry is introduced and helps in converting grams to mol and vice versa**Summary/Closing**How is molar mass calculated?****Multiple Intelligences Addressed:**

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| --- | --- | --- | --- |
| [x]  Linguistic | [x]  Logical-Mathematical | [ ]  Musical  | [ ] Bodily-kinesthetic |
| [ ]  Spatial  | [ ]  Interpersonal | [x] Intrapersonal | [ ] Naturalistic  |

**Student Grouping**[x] Whole Class [x]  Small Group [ ]  Pairs [x]  Individual**Instructional Delivery Methods**[x] Teacher Modeling/Demonstration [x]  Lecture [x]  Discussion[ ]  Cooperative Learning [ ]  Centers [x]  Problem Solving[ ]  Independent Projects |
| **Accommodations**none | **Modifications**None |
| **Homework/Extension Activities:**Molar mass practice in the book |
| **Materials and Equipment Needed:*** Periodic table
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**Adapted from Grant Wiggins and Jay McTighe-*Understanding by Design***