

## Lesson Outline

Teacher Name \_\_\_\_\_ Kathleen M. Kenny \_\_\_\_\_  
School \_\_\_\_\_ McKeesport Area High School \_\_\_\_\_  
Course Title \_\_\_\_\_ Chemistry I with Lab \_\_\_\_\_  
Topic/Unit \_\_\_\_\_ Calculating Formula Masses  
Model Topic \_\_\_\_\_ Formula Masses \_\_\_\_\_  
Modeling Tool \_\_\_\_\_ Excelettes \_\_\_\_\_

Please provide a brief description for each section.

1. Describe the preparation you will do with the students prior to the model.

The students will be given notes prior to being introduced to this topic. The students will also know how to determine the atomic mass off of the periodic table and will be able to calculate the number of atoms in a formula.

2. Describe the learning objectives related to the model and how you will achieve them.  
The student will be able to calculate the mass of a formula with and without parentheses. They will use prior knowledge of the periodic table and basic algebra skills in order to do this.

3. Describe the discussion questions you will use after the model.  
What is a polyatomic ion?  
Explain how the distributive property is used.

4. Describe the type of student assessment you will use.  
After using this model the students will take a quiz in which they will calculate atomic mass on their own.