



Dear Parent or Guardian of EMS ISD Pre-AP Chemistry Students,

Welcome to the 3rd six weeks in Pre-AP Chemistry!

We would like to take this opportunity to share with you what your child will learn during this six-week period. Our goal is to continue to spark the students' interest in chemistry and to build basic knowledge that will help students connect chemistry to the real world.

The following standards will be covered, and students will be expected to do the following:

- Name and write formulas for all types of elements and compounds.
- Define and use the concept of a mole;
- Use the mole concept to calculate the number of atoms, ions, or molecules in a sample of material;
- Calculate percent composition and empirical and molecular formulas
- Use the law of conservation of mass to write and balance chemical equations
- Differentiate between physical and chemical changes and properties
- Differentiate among double replacement reactions including acid-base reactions and precipitation reactions; and
- Differentiate among oxidation reduction reactions such as synthesis, decomposition, single replacement and combustion reactions.

Pre-AP Chemistry students will complete multiple labs, which will continue to focus on critical reading, designing experiments, collecting data, analyzing data, evaluating arguments, providing peer feedback, and writing conclusions.

If your child struggles with any material taught during this unit, we urge you to make sure your child attends tutoring for assistance to gain a better understanding and demonstrate mastery. If you have any questions or concerns, please do not hesitate to contact your child's teacher. We look forward to your child's success in Pre-AP Chemistry this year.

Sincerely,

Eagle Mountain-Saginaw Pre-AP Chemistry Teachers

