

Honors Chemistry with Mrs. Collins

Objectives

- ◆ to challenge you to use the scientific method or engineering design process to solve problems of your choice by implementing a procedure, collecting and analyzing evidence, and drawing logical conclusions from that data in a science project
- ◆ to enhance your ability to examine how materials are described and changed on both the macroscopic and microscopic levels in chemistry
- ◆ to introduce you to a very useful mathematical problem solving method called dimensional analysis to explain and predict chemical behavior
- ◆ to improve your skills in writing technical scientific reports, making formal presentations with PowerPoint or Prezi, and using on-line simulations and discussion groups to increase your understanding of chemistry
- ◆ to expose you to many different lab techniques which are used daily in science-related careers
- ◆ to encourage you to be a responsible, contributing team member when completing chemistry experiments and activities

One Class Rule

Show RESPECT for each other and the materials in the chemistry lab classroom!

Necessary Items for Chemistry

You will need a scientific calculator (\$10 kind), three-ring binder (1-2 inch) with dividers and filler paper, a flash drive, safety goggles if you want your own pair, an open mind, integrity, and a good work ethic.

You will also need a lab notebook (provided) and binder specifically for science fair.

Extra Help

Help sessions are offered as needed: evenings and weekends by email: coolchem@cox.net and after school on Tuesdays (you must sign the logbook).

Make-up Work

If you are absent, you must submit the homework or take the assessment that was scheduled on the day of absence during the next class period. You should prepare accordingly. If you miss notes or activities when you are making up an assessment, you must then get them from a dependable member of the class. If you are absent on the day an assignment is given and the class does not meet the following day but you are in school, you must be responsible and obtain the assignment and complete it for the next class. If you are absent on the day that a report is due, it is due the following day whether our class meets or not. You are to find me (do not place it in my mailbox) and submit it! Please never ask the teacher if you missed anything important when you were out – **OF COURSE YOU DID!!!!!!!**

Assessment

The development of your knowledge and skills in chemistry will be assessed in a variety of ways including: tests and quizzes, lab reports, projects, computer simulations, online discussions, research papers, reading/writing assignments, entrance/exit tickets, presentations, homework, activities, and your binder/class participation. Your grade will be based on a percentage of the total points which you earn throughout the quarter. Homework is essential to your success in chemistry and will be checked daily.