Conceptual Chemistry 2012-20113 Mrs. DePalatis

Conceptual Chemistry Goals and Objectives

Course Content:

Conceptual Chemistry is a first year chemistry class. It will follow, as closely as I can manage, the ASD course description for Conceptual Chemistry . The textbook for this class is Chemistry: Concepts and Applications, published in 2000 by Glencoe McGraw-Hill. As we move through this book we will be covering atomic structure, nuclear chemistry, chemical bonding, reactions and equations, characteristics of gases, liquids, and solids, solutions (including acids and bases) and hopefully organic chemistry.

Methods:

The course content will be presented mainly through lectures, class discussions, readings from the text, assignments, and labs.

Course Requirements:

- Standard academic material (pencil or pen, paper, finished homework assignments, etc.).
- An inquisitive, focused mind.

Grading:

Grading is based on cumulative points:

90-100% of points possible	A
80-89% of points possible	B
70-79% of points possible	C
60-69% of points possible	D
59% and lower	F

Points for tests and assignments will be approximately as follows:

Homework:	3-15 points
Labs:	10-30 points
Quizzes:	5-50 points
Tests:	90-120 points

Make-Up Work:

The students are responsible for all of the material covered in class and in the readings. If a student is absent, he or she should come to the teacher requesting make-up work after class or during lunch. The student has as many days to make up the work as he or she was absent. (For example, if a student is absent for three days, he or she has three days from the day he or she returns to school to turn in the missing assignments.)

Extra Credit:

Extra credit will be assigned (rarely) in conjunction with various assignments. No extra credit projects that have not been announced in class will be assigned or accepted.

Safety in the Laboratory:

1. Do not perform experiments that are unauthorized.
2. Eye protection in the laboratory is essential.
3. If you spill acid or other corrosive chemicals, wash it off immediately with a large amount of water.
4. Never taste any chemical substance. Never draw poisonous materials into a pipet with your mouth.
5. Handle chemicals carefully. Check the label of all bottles before removing the contents.
6. Handle combustible materials carefully. Keep away from open flames (especially alcohol or acetone).
7. Know the correct procedure for mixing acid solutions. Always add the acid slowly to the water. Never add water to a large amount of acid.
8. Place broken glass in the bucket next to the hood.
9. Use caution and the proper equipment to handle hot glass. Cool glass looks the same as hot glass.
10. When heating a substance in a test tube, be careful not to point the mouth of the test tube at another person or yourself.
11. No food or drink should ever be taken to the lab stations.

Formal Lab Write-Ups: These will be assigned periodically. Please follow the following format:

Title
Objectives - What is the goal of this lab?
Materials Needed - Make a list of the equipment and supplies you will need for the lab.
Procedure - Write a succinct but complete step-by-step description of what was done in the lab using the past tense passive voice .
Data Charts - Prepare an orderly place for every bit of data you'll need to record from your lab BEFORE you start the experiment.
Calculations and Questions - These will vary from lab to lab.
Conclusions - Summarize the lab, explain how you met (or didn't meet) the lab's objectives, and give suggestions on how the lab could be improved.

Food and Drink?
Food is not allowed in class. I don't mind if you bring in drinks (water is especially smiled upon).

Need Help? If a student needs some help with any of the material, he or she may arrange with me to meet after school or during lunch any day of the week.

E-mail:

My e-mail address is Depalatis_Laurel@asdk12.org I usually check my e-mail during the day and in the evenings at home.

I'm delighted to be teaching here at South, and am looking forward to a great year!

-Mrs. Laurel DePalatis