

Chemistry 2010-2011

Mr. Vondrak

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Room: SB-1

Office Hours: 7:15-7:45am M-F

3-3:30pm M,T,Tr,F (Staff meetings Wednesdays)

Required Materials:

3-ring Binder with dividers

Loose leaf paper

Scientific Calculator

Writing utensil

Zumdahl Introductory Chemistry

A Foundation 7th edition

Course Description:

Chemistry is the study of matter, its composition, structure, and the changes it undergoes during a chemical reaction.

Below are the topics we plan to cover over the year.

Semester 1

Chapter 1 – Chemistry: An Introduction
Chapter 3 – Matter
Chapter 4 – Elements, Atoms, and Ions
Chapter 5 – Nomenclature
Chapter 6 – Chemical Reactions
Chapter 7 – Reactions in Aqueous Solutions
Chapter 2 – Measurements & Calculations
Chapter 20 – Organic Chemistry

Semester 2

Chapter 8 – Chemical Composition
Chapter 9 – Chemical Quantities
Chapter 11 – Modern Atomic Theory
Chapter 12 – Chemical Bonding
Chapter 13 – Gases
Chapter 14 – Liquids and Solids
Chapter 15 – Solutions
Chapter 16 – Acids and Bases
Chapter 19 – Radioactivity and Nuclear Energy

California State Standards:

- Atomic and Molecular Structure
- Chemical Bonds
- Conservation of Matter and Stoichiometry
- Gases and Their Properties
- Acids and Bases
- Solutions
- Organic Chemistry
- Nuclear Processes

Grading:

Homework:

Homework is scored out of 5 points each. It is due the following school day at the beginning of class. The homework could be reading and taking notes of a section in the book, problems from the book, a worksheet, or a reading quiz. Not all homework will be graded.

Labs:

Labs are usually scored out of 20 points. You will be graded on your behavior and productivity during the lab, as well as the lab write-up afterwards. You will be working with chemicals and lab equipment that could harm or severely injure you if they are used improperly. You will need to follow all safety precautions including **wearing safety goggles** and lab coats. No food or drink will be allowed in lab. You will know in advance when we will be working in the lab.

Quiz: / Test:

Each chapter there will be a test and a quiz. Each test will cover some material from the previous chapters. Quizzes are usually scored out of 25 points, test 50 points.

Final Exam:

A final exam will be given at the end of each semester. It is worth 30% of your grade.

Other Policies:

Attendance:

When you are absent you lose that day of instruction. Missing too many days of class will make it much harder to fully understand the material.

When you are absent, you are responsible for finding out what you missed and making up the assignment.

Assignments are posted online daily. If you are absent during a lab, you have 1 week to make the lab up.

It is your responsibility to make up homework, labs, quizzes, and tests.

Homework is late if it is:

- not complete when I check it.
- in your locker.
- at home
- in a different notebook that you don't have right now.

Participation:

Each day you should come to class with the required materials. The more active you are in the learning process (I.E. asking/answering questions, taking notes, not chatting with others), the better you will learn and consequently the better your grade will be.

Tardiness:

If you are not in your seat when the bell rings you are tardy.

Bathroom/Locker:

Use the bathroom and go to your locker in between classes. I understand the need will arise during class, simply ask at an appropriate time to be excused. If I feel that you are abusing the bathroom privilege or it is an inappropriate time, I will not excuse you.

Food/Drink:

There is no food allowed in class. Drinks are limited to closable containers of water. Food attracts ants, and I do not want ants in my room.

Extra Credit:

There is no extra credit. Do not ask.

Deficiency reports:

A deficiency report will be sent home after each chapter that your grade is below a C-

Extra:

- Chemistry is a difficult subject; it will require hard work and concentration. Hopefully it will change the way you view the world and the things that happen in it.
- To be successful in class you should read the assigned chapters, do the problems, and participate in class.
- Cheating and dishonesty will not be tolerated.
- The instructor reserves the right to make changes and/or addendums to this syllabus during the school year.

I have read over this syllabus and understand what is expected of me and of my teacher.

Student signature _____ *Date* _____

Parent signature _____