

Chemistry 2011-2012

Mr. Vondrak

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Room: SB-1

Office Hours: 7:05-7:45am M-F & after school by appointment

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&2 – Introduction & measurements
Chapter 3 – Matter
Chapter 4 – Elements, Atoms, and Ions
Chapter 5 – Nomenclature
Chapter 6 – Chemical Reactions
Chapter 7 – Reactions in Aqueous Solutions
Chapter 8 – Chemical Composition
Chapter 20 – Organic Chemistry

Semester 2

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.

Test:

Each chapter there will be a test. The test will include topics discussed that may not have been in the reading and material in the reading that may not have been mentioned in the lecture. Each test will include material from the previous chapters. Test will usually worth 50 points.

Final Exam:

A final exam will be given at the end of each semester. It is worth 20% 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 as well as the handouts from class. Being absent is not an excuse for not having your homework done. 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.

Late work is accepted, but only during that chapter.

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-

“It is impossible to learn very much by simply sitting in a lecture, or even by simply doing problems that are assigned. Students must discuss ideas, think about things, and talk about the things.”

Chemistry is difficult, but not impossible. Do the readings, participate in class, and do the assignments to help your understanding and not to just get them done.

If you are having difficulty with chemistry please come see me for help. Because of the block schedule, you will always have two nights to complete homework. DO NOT wait until the 2nd night to start an assignment. If you have trouble the first night, you will have two mornings to see me for help.

Obviously we are all new to the block schedule, there may be changes to this syllabus during the school year.