

RENAISSANCE HIGH SCHOOL

CHEMISTRY COURSE SYLLABUS

INSTRUCTOR: MS. C.D. BRIDGES

INTERN: MR. K. JENKS

COURSE DESCRIPTION: This is a college preparatory course introducing the student to the study of chemistry. Chemistry is a cumulative science. The information provided in this course will be the basis for further study in chemistry. Students will be exposed to the scientific method, and will be encouraged to apply this logic in areas outside of chemistry as well as within it.

COURSE GOALS: Upon completion of this course, the students will be able to:

- *increase their understanding in quantitative reasoning and problem solving skills.
- *read, write and talk about chemistry, using basic chemical vocabulary.
- *write routine chemical formulas and equations.
- *visualize selected models of the atom and molecule, and the changes that occur in a Chemical reaction.
- *become familiar with laboratory operations, equipment, and safety procedures.

TEXT: Holt Chemistry, by Meters, Oldham, and Tocci

COURSE REQUIREMENTS: Attendance is mandatory. Homework will be assigned on a daily basis. Students should spend a minimum of 30 minutes on Chemistry each night. This amount of time is necessary in order to keep abreast of what is going on in class. Ask questions immediately if something is said or done in class that is not understood. Seek additional help if needed. I am available for tutoring before school at 7:30a.m. by appointment only or after school daily until 4:00p.m. Quizzes will be announced and unannounced. Unannounced quizzes (pop quizzes) may not be made up, as a result of this: I will drop two quiz grades at the end of each semester. Makeup work is to be completed during a scheduled appointment. Test and announced quizzes may be made up with written excuse. Test must be made up within two days upon the return of the student. Late homework will not be accepted. Students will be given their assignments at the beginning of each chapter. Each student will need a scientific calculator, 1” – 2” plastic flexible three ring binder with 5 dividers (dividers should have pockets and tabs), 2 red pens, 2 blue or black pens, wide ruled loose leaf paper, 15 sheets of graph paper and an academic planner.

OUTLINE OF COURSE CONTENT:

First Semester:

Mathematical Review

Matter and Energy

Atoms and Molecules

The periodic Table

Ions and Ionic Compounds

Covalent Compounds

The Mole

Second Semester

Chemical equations and Reactions

Oxidation Reduction

Stoichiometry

Gases

Solutions

Thermochemistry

ORGANIZATION OF BINDER:

First Page: Periodic Table

Second Page: Record of chemistry grades (MANDATORY)

Third Page: Syllabus

First Section: Class Notes

Second Section: Classwork/Homework

Third Section: Laboratory Experiments

Fourth Section: Current Events

Fifth Section: Returned papers (Test and Quizzes)

NOTE: All pages should be dated and kept in chronological order.

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|------------------------|------------|---|
| GRADING SYSTEM: | 100 – 90 | A |
| | 89 – 80 | B |
| | 79 – 70 | C |
| | 69 – 58 | D |
| | 57 & BELOW | F |

Distribution on Credit: Credit can be earned in the following areas.

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|--------------------|-----|
| Tests | 35% |
| Labs | 30% |
| Quizzes | 25% |
| Homework/Classwork | 10% |

I have read and understood the syllabus for Chemistry.

Parent Signature

Student's signature

Date

Parent's cell number

Parent's work number

Parents email