Chemistry

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## \*Please note that the information below is based off previous, physical classroom, classes. This

## will be replicated as much as possible during the Covid-19 pandemic although adjustments may

## need to be done throughout.

## \*Welcome to Chemistry! This is a college preparatory course. You and I both share the same goal: To be successful in this course and to pass the Regents Exam in June. Chemistry requires more than just memorizing facts. From the facts, you will be expected to apply this information to new situations and to problem solve, in other words, TO THINK. These higher thinking skills are important not only for science and math but also LIFE.

**ABILITY + EFFORT = PROBABILITY OF SUCCESS**!!

- ASK QUESTIONS WHEN YOU DO NOT UNDERSTAND

- COME FOR HELP WHEN YOU NEED IT

- DO THE HOMEWORK ASSIGNMENTS ON TIME

- HAVE GOOD ATTENDANCE

- WHEN ABSENT: GET THE NOTES, TURN IN HW, MAKE UP TESTS/ QUIZZES

- COMPLETE LAB REPORTS ON TIME

**COURSE DESCRIPTION**

Chemistry is the study of matter, all of the elements that compose it, and all of the

reactions it can undergo. The course includes units on the math of chemistry, gas laws, matter

and energy, atomic and molecular structure, bonding, kinetics/equilibrium, acids and bases,

redox and electrochemistry, and organic chemistry. A major emphasis of this course is to

discuss chemistry as a science and to help students develop scientific literacy in chemistry. Of

equal importance though, is to increase students’ excitement and interest in chemistry. To that

end, a number of different teaching strategies are employed allowing students to learn by

becoming actively involved in the class.

## CLASSROOM BEHAVIOR EXPECTATIONS

STUDENTS WILL RESPECT ALL PEOPLE, ALL PROPERTY, AND EVERYONE’S RIGHT TO LEARN**.**

**General Rules:**

1. Come to class on time
2. Bring required materials to class every day
3. Use polite speech, do not cheat, and be mindful of other students in class.

I reserve the right to add more rules as the year progresses and I analyze your strengths and weaknesses.

## COURSE OUTLINE

 Unit #1 Matter

 Unit #2 Energy

 Unit #3 Atomic Structure

 Unit #4 Periodic Table

 Unit #5 Chemical Bonding

 Unit #6 Math of Chemistry

 Unit #7 Solutions

 Unit #8 Kinetics & Equilibrium

 Unit #9 Acids & Bases

 Unit #10 RedOx & Electrochemistry

 Unit #11 Organic Chemistry

 Unit #12 Nuclear Chemistry

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| **REQUIRED MATERIALS**Writing Utensil (pen or pencil)A 3 ring binder / FolderInternet Access/Office 365Chemistry Reference TablesScientific calculator |  |
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**GRADING POLICY**

**1. HOMEWORK**

This includes reading assignments, text problems, and worksheets.  **I will check or collect HW at the start class. If homework is not presented on time, it will be deducted 10% each day late.** “On time” means the beginning of class on the due date. Homework missed because of absences must be made up within 1 days of your return and no later than the day after the test for that unit. In cases of extended absences, please contact the main office, a classmate, or me for the work.

Chemistry is full of problem-solving. On these types of homework questions an answer by itself is not sufficient. You must SHOW ALL WORK. Write neatly. **If it can’t be read, it doesn’t get credit.**

**2. QUIZZES**

**3. TESTS**

These will consist of Regents Exam style multiple-choice and constructed response. You may use a calculator and Reference Table for each test.

**Make-ups:** If you miss a test, you must make it up within a WEEK or in extenuating circumstances when you come back to school.

**Re-takes:** I will allow any student to “Re-take” a Unit Test in order to improve their grade. To “Re-take” a Unit Test you must do one of two things:

Do test corrections by explaining the correct answer for each problem that you missed on a separate sheet of paper.

Sit Down with me during a scheduled help time and go over the test one on one.

The “Re-take” must be done before the end of the next unit (before the next Unit Test). In addition, to be eligible for the “Retake”, you can not have any unexcused absences or missed work from that unit.

If you have an excused absence, you are required to make-up any work within 2 school days.

If you Truant a class, you will receive an automatic zero for any work on that day.

**4. LAB REQUIREMENT**

As required by the NYS Board of Regents, 1200 laboratory minutes must be successfully completed by you in order to sit for the June exam. A successful completion of a lab includes both the time spent in the laboratory as well as the completion (and handing-in) of all lab report write-ups. Completed labs will be stored in your lab folders.

Safety is an enormous concern in a chemistry lab. Failure to comply with safety rules will result in dismissal from the lab and no credit will be given for that lab time.

**5. MARKING PERIOD GRADE:**

 Tests= 50%

 Quizzes= 20%

 Labs/Projects= 15%

 Homework= 15%

**And Finally…**

I firmly believe that all of you can have a fun and successful year in chemistry if you follow 3 simple philosophies that I learned from my favorite teachers:

1. Never Quit.
2. There’s no such thing as a free lunch (you have to work hard to earn everything).
3. Do it right do it once, Do it once do it right.

If you find yourself struggling with anything, please come and see me. My door is always open, and I will always make the time.

 Have a great Year!

 Ms. Ciccone