

## Chemistry 12

Teacher: Mr. B. Quast

Room: 211

email: [bquast@shaw.ca](mailto:bquast@shaw.ca)

Textbook: Hebden Chemistry 12

**5 Major Topics:** Kinetics, Equilibrium, Solubility, Acid/Base, Oxidation-Reduction

**Calculator:** Bring a scientific calculator to class every day.

### **Semester Breakdown:**

Unit Tests: 44%   Labs: 7%   Quizzes: 6%   Assignments: 3%   Final Exam: 40%

**Webpage:** <http://mrbquast.weebly.com/>

### **Email:**

I will email you and your parents weekly with progress reports.

**Unit Booklets:** Course notes are provided. The notes contain many questions and examples that we will learn in class as a whole group, small informal groups, with a partner, or on your own. You can't come to class and 'coast' (i.e. you must be willing to think deeply and get involved in discussion). You must be ready and willing to share your ideas, and listen to others' ideas. The more you discuss the course material, the deeper understanding you'll develop. When you're in class, make a commitment to have conversation about chemistry.

The notes can be accompanied by helpful internet links which you can access from the course webpage '*links*' page.

**Assignments** include daily assignments and unit reviews. Daily assignments and the review for each unit will be handed in on the day of (but prior to) the unit test. If either are late (even if handed in later that day in class), there will be a 10% deduction. Therefore, assignments and reviews should be organized and ready to hand in BEFORE coming to class on the day of a unit test. The reason for the late hand-in deduction is because the assignments and review are most effective if contemplated and completed BEFORE writing the unit test.

Copying of assignments/reviews will not help as in the long run you will not learn effectively, and will not be prepared for unit tests.

If you would like to manage your own learning and not be required to hand in assignments and reviews, you must provide a note with parental consent for this responsibility. You cannot change your mind later in the semester, either way.

## Labs

We will do about five labs throughout the course and a point of emphasis in Chemistry 12 will be helping students become competent with lab write-ups. Labs will be evaluated to a high standard.

**Quizzes** will be written at various times throughout each unit. You will be informed at least one day in advance of a quiz. If homework is completed consistently, quiz scores will most likely be higher. If you then do better on the corresponding unit test, any lesser quiz scores will be replaced with your test percentage. If you are absent during a quiz, you cannot make it up. Instead, you will get your test percentage for your quiz score. **You can only replace quiz scores with the original unit test percentage, not a retest percentage.**

**Unit Tests:** There will be six unit tests in the course: Kinetics, Equilibrium, Solubility, Acid/Base I, Acid/Base II, and Redox. Any missed tests can only be written if the absence is excused. If you skip class (unexcused absence) on test day, you will get a zero for the test. An excellent multiple choice test practice website is [www.quizmebc.ca](http://www.quizmebc.ca). Practice provincial exams can be obtained at <http://www.questionbank.ca> and <http://www.angelfire.com/geek/chem12/> Both of these websites are excellent ways to prepare for unit tests and the provincial exam, as well as completing unit assignments and the unit review. See the link on my webpage, 'Studying for Chemistry 12' for ideas on how to study effectively for tests.

You can do two retests during the course, and these will be done outside of regular class time.

**Final Exam:** There will be a final exam worth 40% of your entire grade. **The key to success on the final exam is to start studying a month in advance** by taking full advantage of practice questions provided on my webpage. Every semester, the people who do best on the final exam study hard and at length to be ready. Don't allow yourself to procrastinate, get your studying going early and often!

**Work Ethic and Attitude:** This is a challenging academic course. It requires you to stay on pace, work hard daily on assignments, and be ready for chemistry conversations every class. **Don't be a lazy learner, get involved! Don't depend on anybody else for success except yourself.**

**Absences:** It is your responsibility to find out what was missed and take the proper steps to catch up using the webpage, homework link, and binders provided in class.