

Chemistry 12

January to April 2022

Instructor: Mr. Sheldon

Email: tobin.sheldon@pattisonhighschool.ca

Room: 116

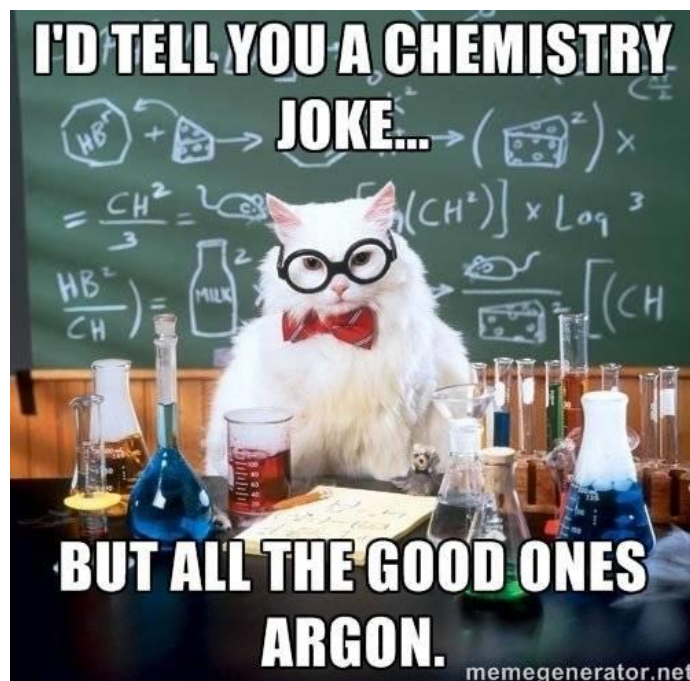
Website: <http://pattisonhighschool.ca/teachers/mr-tobin-sheldon/>

About the Course:

Chemistry 12 takes a focused look at chemical reactions: why and how they happen, and chemical systems in equilibrium. The course is divided into five units. Each topic has video lessons, supplemental material, and suggested workbook readings. There are topic quizzes, quizzes, assignments and unit projects to assess learning.

Teams:

You should all be a member of **Chemistry 12 Winter 2022 Mr. Sheldon**. I will use teams to upload resources, give updates, and send out some assignments.



Distribution of Marks:

| | |
|------------------------|-----|
| Participation/Homework | 20% |
| Quizzes | 20% |
| Assignments / Labs | 30% |
| Projects/Tests | 30% |

Course Content:

There are 5 units in Chemistry 12, each with a **Unit Test** at the end.

| | |
|---|------------------------|
| Unit 1 : Reaction Kinetics | Jan 10 - 21 |
| Unit 2 : Dynamic Equilibrium | Jan 24 – February 4 |
| Unit 3 : Solubility Equilibria | February 7 - 18 |
| Midterm Exam | February 18 |
| Unit 4: Acids and Bases | February 22 – March 18 |
| Unit 5: Reduction and Oxidation Reactions | March 21 – April 8 |
| Final Exam | April 12-14 |

Homework Will be checked daily and will be graded according to the following rubric.

| 0 | 1 | 2 |
|---|----------------------------|--|
| Incomplete, copied, or completed after the chapter test | Late or partially complete | All questions have been <i>attempted</i> . |

Expectations

- *Attend classes on time and prepared to learn.
- *Write down notes – you will remember and learn the material better.
- *Do not give up! I am here to help you learn, and you are here to do your very best.
- *I expect your attention and respect while I teach; I am free to take away any phones that are out.
- *Speak English when you are in class. Daily practice is the only way to improve.
- *See me after class if you need any extra help or have any questions.

Quizzes

I will have short quizzes about 2 or 3 times each week. The quizzes are for me to check your understanding, and for you to practice what you have learned.

Labs

Experiments are important learning tools for chemistry and necessary for the scientific process. However, we will be needing to replace physical labs with virtual labs online. We will also be finding applications of the Chemistry we learn to real life.

Participation and Missed Classes

If you miss a class, it is your responsibility to catch up on the missed material and homework. Class material is available online, however, much of your mark is dependant on Class Participation.

Technology in the Classroom

Since our course will be taking place online, we will be using a lot of technology to assist in our learning, including graphing tools, online research, and simulations. Please let me know if you need any help using any of these tools.

I do expect to have your attention during class meetings.

Cheating and Plagiarism

Plagiarism and cheating will NOT tolerated. First offence everyone involved gets zero. Second offence everyone involved will be asked to leave the course. I will often ask you to work together, but you cannot copy each others work. When working together, you must show all your work and have individual responses to questions. In particular, Lab Reports will have the same raw data, however you must do the steps of the calculations, data manipulation, and analysis yourself.