



# Loyola

## HIGH SCHOOL

### Sec. 5 Chemistry

**Teacher:** Mr. Cloutier

[cloutiera@loyola.ca](mailto:cloutiera@loyola.ca)

#### **Materials needed for all classes**

- iPad with earphones
- Textbook
- Loose leaf in a medium-size binder or spiral notebook
- Non-programmable calculator
- Lab coat and safety glasses (for experiments only; available at Loyola store)

#### **Evaluations**

Students will be evaluated in the following ways:

- Quizzes (every 2-3 classes) and Unit Reviews (before tests) 10%
- Unit tests (50%)
- Lab reports and activities (40%) (Lab exams in December and May)
- Exam (June, worth half of Term 3's theory mark)

#### **Competencies**

Competency	Wording in report card	Relative value
1- Lab work	Practical	40%
2- Written work	Theory	60%

#### **Terms and report cards**

Term	End of term	Relative value
1	November 3 <sup>rd</sup>	20%
2	February 9 <sup>th</sup>	20%
3	May 31 <sup>st</sup>	60%

#### **Mark Breakdown for each term**

	Term 1	Term 2	Term 3
Quizzes and Unit Reviews	10	10	10
Unit Tests	50	50	20
June Exam	--	--	30
Lab reports, lab exams	40	40	40

## **Course Content**

### **TERM 1**

Unit 1 – Sec. 4 Review  
Unit 2 – Excess and Limiting Reactants  
Unit 3 – Nomenclature

### **TERM 2**

Unit 4 – Gases  
Unit 5 – Thermochemistry  
Unit 6 – Reaction Rates  
Unit 7 – Chemical Equilibrium and LeChatelier's Principle

### **TERM 3**

Unit 8 – Solubility and  $K_{sp}$   
Unit 9 – Acids and Bases, pH

## **Important note on how the course will be conducted**

In order to maximize your learning, you will be allowed to progress through the material at your own pace, within certain parameters (labs and unit tests). Online tutorials, worksheets with answers and other resources are provided to you through the Moodle course site.

For each unit, a calendar with all the important dates (labs, tests and exams) will also be provided in order for you to plan your work and know when you are expected to have accomplished certain tasks. In the classroom, my role will consist in monitoring your progress, assisting you with your work, and, at times, teaching a certain topic when I feel the need.

To make sure that you have a successful school year, it is imperative that you take your responsibilities very seriously and carry them to the best of your abilities every day. It is also essential that you stay on schedule. Furthermore, feedback regarding how the course is conducted will be welcomed.

## **Rules and expectations**

Our classroom must be a pleasant, constructive learning environment. As such, your behaviour is expected to allow you and your classmates to maximize your learning (of Chemistry!) during class time.

It is expected that you will do homework after each lesson, in order to complete your work properly and ensure that you have mastered the subject.

### **Respect**

- - for your fellow students
- - for your teacher and other adults
- - for the classroom material
- - for yourself

Have your materials in class. Be ready when the bell rings. 60-minute effort.

iPad : - for class-related use only. Develop and maintain good work habits.

A note on listening to music while you work.

Check your Loyola email twice a day (at least!) – before your first class and at the beginning of lunch. Not knowing is not a valid excuse.

## **EXTRA HELP**

Extra help, at a regular day and time will be announced shortly.

Furthermore, it will be offered on days leading up to evaluations.

For some of you, it will be a great idea to attend it regularly, or at least before evaluations.

Class time, on most days, can be used for 1-on-1 or small-group interactions with the teacher – take advantage!