



## Secondary 5 (5-1 and 5-2) Chemistry

### Course Outline

Teacher: Mr. Plimer E-mail: [plimera@loyola.ca](mailto:plimera@loyola.ca)

Voice Mail: 514 486 1101 ext. 630

Periods per cycle: 6

#### **Content:**

##### ***Term 1:***

- Revision  
(Scientific notation; significant figures; dimensional analysis; the mole; balancing chemical equations; stoichiometry)
- Excess and limiting
- Nomenclature
- Gases
- Thermochemistry

##### ***Term 2:***

- Thermochemistry cont.
- Reaction rates
- Equilibrium

##### ***Term 3:***

- Le Chatelier's Principle
- $K_{sp}$
- Acids and pH

#### ***Honours chemistry:***

Honours chemistry is an enriched version of the above subject matter. Students will cover all of the regular material but each section will be advanced in some way. Classroom evaluations will cover this enriched material but the December and June exams will be the same for all chemistry students. Honours students are also expected to keep up with a faster paced classroom and will be offered extra opportunities each term to go above and beyond the regular course content.



## **Evaluations:**

Students will be evaluated in the following ways;

### ***Theory (60% weighting):***

*Unit tests/quizzes/assignments/Homework*

- 100% of term 1, 100% term 2, and 50% term 3 theory grade
- 3-6 per term

*Exams*

- June final exam
  - 50% of term 3 theory grade

### ***Practical (40% weighting):***

*Major lab reports*

- 1 each term, worth 50% of term 1's practical grade and 30% of term 2 and 3

*Minor Lab reports*

- 2-4 each term with total worth 50% of term 1's practical grade 30% of term 2 and 3
- ALL lab submissions are individual. No group reports at anytime.

*Lab exams*

- December lab exam
  - 40% of term 2 practical grade
- June lab exam
  - 40% of term 3 practical grade

Extra help sessions are always available upon request.

Any missed tests must be completed on a student's first day back at school. For missed labs due to illness or a predictable absence, Mr Dagher must be contacted within 24 hours of the lab date being announced/day of illness to arrange an alternate date. A 20% late penalty per day is policy if the above does not occur.

Competency	Weighting	Wording in Report Card
<b>Seeks answers or solutions to scientific or technological problems</b>  <b>Communicates in the languages used in science and technology</b>	40%	<b>Practical</b>
<b>Makes the most of his knowledge of science and technology</b>  <b>Communicates in the languages used in science and technology</b>	60%	<b>Theory</b>

**Competencies:**

Report	Month	Value
<b>Preliminary</b>	October	None – only a written communication with parents at the start of the year
<b>Term 1</b>	November	20%
<b>Term 2</b>	February	20%
<b>Term 3</b>	June	60%

**Report cards:**

**Homework policy:**

As students are going to be entering CEGEP next year, homework is assigned in a fashion similar to these institutions. Regular work will be provided from either the textbook or via worksheets and a due date will be given. **HOMEWORK WILL NOT BE CHECKED.** As will be the case at their respective CEGEP's, it will be the student's responsibility to be disciplined in terms of maintaining a process of regular revision and study. There will also be homework completed and graded in class throughout the year.

**Equipment:**



- Lab glasses and coat - mandatory for all experiments. Can be obtained at the Loyola Store if needed.
- Non-programmable calculator
- Hilroy (only for science), loose leaf, pens/pencils/ruler
- Graph paper (20 sheets)
- Textbook (must have for all classes)
- iPad

**Note:**

iPads must stay in the students' bags unless required. No other devices are allowed unless prior consent has been given.