



## Royal West Academy

### Course Outline

Course:	Chemistry 534		
Teacher:	J. Fogel	Room:	304
E-mail:	jfogel@emsb.qc.ca		
Text Book	Quantum Chemistry		
Course description:	<p>The chemistry science program is an introduction to the kind of theory and lab work that students will be seeing in future chemistry courses in CEGEP and university. Classes will include: lectures, project based learning, discussions and lab work.</p> <p>The following modules will be completed:</p> <ol style="list-style-type: none"> <li>1. Review: Nomenclature, significant figures, stoichiometry</li> <li>2. Gases and their Applications</li> <li>3. Energy in Chemical Reactions</li> <li>4. Rate of Chemical Reactions</li> <li>5. Equilibrium in Chemical Reactions</li> <li>6. Extra topics: Limiting Reagents, Orbitals, Electrochemistry</li> </ol>		

### Materials

- Binder Section for storing chemistry notes and handouts.
- Loose leaf paper for writing notes
- Plastic folder/duotang for labs
- Pens, pencils, non programmable calculator, ruler

### Evaluation

Term 1 (20%)		
<i>Competencies Targeted</i>	<i>Evaluation Methods</i>	<i>Timeline</i>
C1: (Practical) <ul style="list-style-type: none"> <li>• Seeks answers or solutions to problems involving chemistry and communicates ideas relating to questions involving chemistry, using the languages associated with science and technology</li> </ul> C2: (Theory) <ul style="list-style-type: none"> <li>• Makes the most of his/her knowledge of chemistry and communicates ideas relating to questions involving chemistry, using the languages associated with science and technology</li> </ul>	Lab Reports Tests, Quizzes, Assignments, projects  <i>Lab reports are not evaluated on the term report card</i>	~ 2-3 reports ~ 2-3 tests ~ 1-2 assignments 1 project

Term 2 (20%)		
Competencies Targeted	Evaluation Methods	Timeline
C1: (Practical) <ul style="list-style-type: none"> <li>Seeks answers or solutions to problems involving chemistry and communicates ideas relating to questions involving chemistry, using the languages associated with science and technology</li> </ul>	Lab Reports	~ 2-3 reports
C2: (Theory) <ul style="list-style-type: none"> <li>Makes the most of his/her knowledge of chemistry and communicates ideas relating to questions involving chemistry, using the languages associated with science and technology</li> </ul>	Tests, Quizzes, Assignments  <b>Midyear Exam</b>	~ 2-3 tests and quizzes

Term 3 (60%)		
Competencies Targeted	Evaluation Methods	Timeline
C1: (Practical) <ul style="list-style-type: none"> <li>Seeks answers or solutions to scientific or technological problems and communicates in the language used in science and technology</li> </ul>	Lab Reports, Tests, Quizzes, Assignments, Projects	~ 3-4 reports
C2: (Theory) <ul style="list-style-type: none"> <li>Makes the most of his/her knowledge of science and technology and communicates in the language used in science and technology</li> </ul>		~ 3-4 tests and quizzes
		1-2 assignments

END OF YEAR RESULT									
Term 1 20%	+	Term 2 20%	+	Term 3 60%	=	%	School Board Exam %	<u>or</u>	School Exam %


 Theory Mark: TBD% (school mark) + TBD% (exam mark) = END OF YEAR RESULT

**Important:** Students in the sciences must complete a **science fair project**. The grade will be part of the chemistry lab mark for term 3.

**Additional Information / Specifications**

- 1) If a student misses a test it becomes his/her responsibility to schedule a re-write the day they return. The student will be asked to submit a valid note for her/his absence on the day of the test. Failure to submit a valid note may result in a mark of zero.
- 2) Grades will be posted on the Mosaik Portal. Please make sure you verify marks regularly.
- 3) Failure to submit assignments and lab reports on time will result in a 10% (minimum) mark penalty per school day.
- 4) Plagiarism, which may include copying another person's work (e.g. a lab report) and cheating on a test, results in an automatic mark of zero. Read the Student Agenda for more information about the school's plagiarism policy.
- 5) **Students are required to use non-graphing calculators during all tests.**
- 6) Students will be required to complete a science fair project. This mark will be part of the term 3 lab mark.

**Communication:**

- Students will be receiving a progress report (October) and three report cards (November, March and June)
- Course updates, materials, answer keys and other important information will be made available to students via **Google Classroom**. Assignments will also be submitted using this platform.
- Please feel free to contact me either by email or phone if you have any questions or concerns.

**Remediation Schedule****Day 2:** After School (3:05 to 4pm)**Day 5:** Lunch (12:25pm to 1:15)

*I am always available to make appointments at other times simply send me an email or come and see me in person.*

Important note to students and parents/guardians regarding course outlines:  
Please note that the information on this outline may need to be modified as the year progresses. Rest assured that any changes made will be done to reflect what we feel is best to maximize student success.