



SCH4C
CHEMISTRY
GRADE 12, COLLEGE
2016-17

General Course Information

Prerequisite(s):	SNC2P/D
Teacher:	_____ (Science office, 416-395-3290 ext 20095)
Department:	Science
Assistant Curriculum Leader:	S. Evans, K. Fischer
Extra Help:	Available upon request
Textbook and Replacement Cost:	College Chemistry 12 (Nelson), \$90
Material Required:	Textbook

Course Description

This course enables students to develop an understanding of chemistry through the study of matter and qualitative analysis, organic chemistry, electrochemistry, chemical calculations, and chemistry as it relates to the quality of the environment. Students will use a variety of laboratory techniques, develop skills in data collection and scientific analysis, and communicate scientific information using appropriate terminology. Emphasis will be placed on the role of chemistry in daily life and the effects of technological applications and processes on society and the environment.

A list of the course expectations can be found at:

<http://www.edu.gov.on.ca/eng/curriculum/secondary/science1112curr.pdf>

Course Information

Strands of Study (Units)	Number of Lessons
Matter and Qualitative Analysis	18
Organic Chemistry	18
Chemical Calculations	18
Chemistry in the Environment	17
Electrochemistry	10

Teaching Strategies

You will have opportunities to learn and be assessed (formative assessment) before evaluations. Strategies which may be used (but are not limited to) are: quizzes, tests, problem-sets, laboratory activities, hands-on activities, independent study, problem-based learning, role-plays, and simulations.

Assessment and Evaluation:

To promote student success, ongoing assessment and feedback is given regularly to the students. A variety of assessment and evaluation strategies are used in this course. Expectations are evaluated based on the provincial curriculum expectations and the strands and/or categories outlined in the ministry document. The achievement chart for science can be found at www.edu.gov.on.ca. Guidelines are consistent throughout the province. Marks are weighted according to the achievement chart categories (Knowledge/Understanding, Inquiry, Communication, and Making Connections).

These categories help guide the creation of assessment and evaluation tools.

Each student's term mark will be in the form of a percentage grade based on their achievement in the following categories:

Knowledge/Understanding	30%
Inquiry	25%
Communication	20%
Application	25%



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The breakdown of the final mark is as follows:

Term Evaluation	70%
Culminating Project	10%
Final Exam	20%

The final evaluation activities will be completed during the final 6 weeks of the course and may include a variety of summative activities.

In addition to students' performance in the achievement categories, students will also be assessed on their performance in the following learning skills:

- Responsibility
- Organization
- Independent Work
- Collaboration
- Initiative
- Self-Regulation

For specific policies on assessment and evaluation, and academic honesty, please refer to School Procedures in the student agenda.