



GEORGE S. HENRY ACADEMY COURSE OUTLINE

CHEMISTRY 12 UNIVERSITY



COURSE NAME	Chemistry	GRADE	12
COURSE CODE	SCH4U	CREDIT VALUE	1.0
TEACHER	Krystyna Kedzia	DEPARTMENT	Science
PREREQUISITE	SCH 3U		

COURSE DESCRIPTION:	This course enables students to deepen their understanding of chemistry through the study of organic chemistry, the structure and properties of matter, energy changes and rates of reaction, equilibrium in chemical systems, and electrochemistry. Students will further develop their problem-solving and investigation skills as they investigate chemical processes, and will refine their ability to communicate scientific information. Emphasis will be placed on the importance of chemistry in everyday life and on evaluating the impact of chemical technology on the environment.
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UNITS OF STUDY:	<ol style="list-style-type: none"> 1. Organic Chemistry 2. Structure and Properties of Matter 3. Energy Changes and Rates of Reaction 4. Chemical Systems and Equilibrium 5. Electrochemistry
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TEXTBOOK(S)	REPLACEMENT COST
Chemistry 12	\$90

COMMUNICATION

Please direct all questions or concerns regarding student progress or program of study to the classroom teacher. The department number is 416-395-3240 ext. 20094.

EVALUATION OF STUDENT ACHIEVEMENT:

Evaluation of student achievement is based on the following categories:

TERM EVALUATION		FINAL EXAMINATION	
<i>Knowledge</i>	30%	70%	30%
<i>Inquiry</i>	15%		
<i>Communication</i>	15%		
<i>Application</i>	10		

UNITS OF STUDY & EVALUATION TASKS

70% Course Work + 30% Culminating/Exam

EVALUATION TASK**ACHIEVEMENT CHART EVALUATION****Unit 1 –Organic Chemistry**

Structure and Physical Properties of Organic Compounds	Inquiry/Comm.	3%
Reactions of Organic Compounds	Inquiry/Comm.	3%
Organic: STSE	Application	2%
Unit Test	Knowledge	6%

Unit 2 – Structure and Properties of Matter

Atomic Model and Properties of Atoms	Inquiry/ Comm.	3%
Chemical Bonding and Properties of Matter	Inquiry / Comm.	3%
Properties: STSE	Application	2%
Unit Test	Knowledge	6%

Unit 3 Energy Changes and Rates of Reaction

Energy Changes	Inquiry/ Comm.	3%
Rates of Reaction	Inquiry/ Comm.	3%
Energy and Rates: STSE	Application	2%
Unit Test	Knowledge	6%

Unit 4 – Chemical System and Equilibrium

Chemical Equilibrium	Inquiry/Comm.	3%
Acid - Base Equilibrium Systems	Inquiry/Comm.	3%
Equilibrium: STSE	Application	2%
Unit Test	Knowledge	6%

Unit 5 - Electrochemistry

Oxidation- Reduction Reaction	Inquiry/Comm.	3%
Electrochemical Cells	Inquiry/Comm.	3%
Electrochem: STSE	Application	2%
Unit Test	Knowledge	6%

Culminating Activity

Final Examination	Culminating	30%
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*The assignments listed above, and the value of each individual assignment, are subject to change.

