

HOLY TRINITY CATHOLIC SECONDARY SCHOOL

COURSE OUTLINE



Name of Course/Course Code: SCH4C , Chemistry, Grade 12, College Preparation

Course Prerequisite: SNC2D or SNC2P

Course Description: This course introduces students to the concepts that form the basis of modern chemistry. Students will study qualitative analysis, quantitative relationships in chemical reactions, organic chemistry and electrochemistry, and chemistry as it relates to the quality of the environment. Students will employ 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 everyday life and in the development of new technologies and products.

Catholic Graduate Expectations: This course seeks to further the achievement of Ontario Catholic School Graduate Expectations through integrating Scripture, Catholic Church teaching, and moral and ethical reflection. Students are encouraged to become discerning believers who integrate faith with life. Students develop their decision-making skills by critically reflecting on the spiritual, moral, and ethical dimensions of issues raised in the course. As informed Catholic citizens, students acknowledge and accept their responsibility as stewards of the earth and use their knowledge to address pressing environmental issues.

Units of Study

Unit 1	Matter and Qualitative Analysis
Unit 2	Chemical Calculations
Unit 3	Electrochemistry
Unit 4	Organic Chemistry
Unit 5	Chemistry in the Environment

Evaluation

70%	30%
Knowledge/Understanding	Culminating Task – 10%
Thinking/Inquiry	
Communication	Exam – 20%
Application	

Course Resources Required:

For a detailed course description of this course, please visit
<https://www.edu.gov.on.ca/eng/curriculum/secondary>