

ST. JOSEPH CATHOLIC SECONDARY SCHOOL
COURSE OUTLINE



Name of Course/Course Code: Chemistry, Grade 11, University Preparation (SCH3U)

Course Prerequisite: SNC2D, MPM2D

Course Description: This course is designed to provide students with the knowledge and skills they need to meet the entrance requirements for university programs. It emphasizes both independent research skills and independent learning skills. In addition, it focuses on the concepts and theories that form the basis of modern chemistry. Students study the behaviours of solids, liquids, gases, and solutions; investigate changes and relationships in chemical systems; and explore how chemistry is used in developing new products and processes that affect our lives and our environment. Emphasis will also be placed on the importance of chemistry in other branches of science

Catholic Graduate Expectations: : This course seeks to further the achievement of Catholic 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 informing their conscience and critically reflecting on the spiritual, moral, and ethical dimensions of issues raised in the course. In addition, as informed Catholic citizens, students acknowledge and accept their responsibility as stewards of the earth and use their knowledge to address pressing environmental issues. Finally, by examining the reactivity of compounds found in nature, students develop a wonder of creation, a respect for the environment, and a need for the wise use of resources.

Units of Study

Unit 1	Matter, Chemical Trends, and Chemical Bonding
Unit 2	Chemical Reactions
Unit 3	Quantities in Chemical Reactions
Unit 4	Solutions and Solubility
Unit 5	Gases and Atmospheric Chemistry

Evaluation

70%	30%
Knowledge/Understanding	Culminating Task and Exam
Thinking/Inquiry	
Communication	
Application	

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Course Resources Required:

Nelson Chemistry 11 Textbook

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