

**ST. JOSEPH CATHOLIC SECONDARY SCHOOL
COURSE OUTLINE**



Name of Course/Course Code: SNC2D

Course Prerequisite: Grade 9 Academic or Applied Science

Course Description:

This course enables students to enhance their understanding of concepts in biology, chemistry, earth and space science, and physics, and of the interrelationships between science, technology, society, and the environment. Students are also given opportunities to further develop their scientific investigation skills. Students will plan and conduct investigations and develop their understanding of scientific theories related to the connections between cells and systems in animals and plants; chemical reactions, with a particular focus on acid–base reactions; forces that affect climate and climate change; and the interaction of light and matter.

Catholic Graduate Expectations:

The study of science helps students to learn and to be reflective, critical, and creative thinkers, as well as discerning believers who understand the theories of science and can apply them to the world around them yet make appropriate decisions in light of Gospel values and Church teachings for the common good. Through the study of the techniques of science, particularly experimentation, students learn to be collaborative contributors to an interdependent team, respecting the rights, responsibilities, and contributions of others. Overall through this course, students become aware of the sacred dimension of the physical world in all its aspects and of their role as stewards of God’s creation.

Units of Study

Unit 1	Biology: Tissues, Organs, and Systems of Living Things
Unit 2	Chemistry: Chemical Reactions
Unit 3	Earth and Space Science: Climate Change
Unit 4	Physics: Light and Geometric Optics

Evaluation

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

For a detailed course description of this course, please visit
http://www.edu.gov.on.ca/eng/curriculum/secondary/science910_2008.pdf