ST. JOSEPH CATHOLIC SECONDARY SCHOOL
COURSE OUTLINE

Name of Course/Course Code: **Grade 10 Applied Science (SNC2P)**

Course Prerequisite: SNC1D or SNC1P

Course Description: This course enables students to develop a deeper understanding of concepts in biology, chemistry, earth & space science and physics and to apply their knowledge of science in real world situations. Students are given opportunities to develop further practical skills in scientific investigation. Students will plan and conduct investigations into everyday problems and issues related to human cells and body systems, chemical reactions, factors affecting climate change and the interaction of light and matter.

Catholic Graduate Expectations: The study of science helps students to learn to be reflective, critical, and creative thinkers, as well as discerning believers, who can apply their knowledge to the world around them. They can then make appropriate decisions in light of Gospel values and Church teachings. 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. Through career exploration, students think critically about the meaning and purpose of work, find meaning, dignity, and fulfillment, and contribute to the common good. Overall, through the course, students become aware of the spiritual and the physical dimension of the world and of their roles as stewards of God's creation.

Units of Study

Unit 1	Biology: Tissues, Organs & Systems
Unit 2	Chemistry: Chemical Reactions and their practical applications
Unit 3	Earth & Space Science: Earth's dynamic climate (if time permits)
Unit 4	Physics: Light and Applications of Optics

Evaluation

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

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