

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



**Name of Course/Course Code:** SBI3C, Biology, Grade 11 College Preparation

**Course Prerequisite:** SNC 2D or SNC 2P

**Course Description:** This course focuses on the processes involved in biological systems. Students will learn concepts and theories as they conduct investigations in the areas of cellular biology, microbiology, animal anatomy and physiology, plant structure and physiology, and environmental science. Emphasis will be placed on the practical application of concepts, and on the skills needed for further study in various branches of the life sciences and related fields.

**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 in the spirit of social justice to the world around them. They can make appropriate decisions in light of Gospel values and Church teachings. The study of science teaches students to be collaborative contributors to an interdependent team, respecting the rights, responsibilities, and contributions of others. Studying the applications of science with a goal of getting to college leads students to find meaning, dignity, fulfillment, and vocation in the work they do. Overall, students become aware of the spiritual, as well as the physical dimension of the world and of the need to respect the environment and the sustainability of resources and their wise use in order to fulfil their roles as stewards of God's creation. It is the Christian perspective on life and its meaning as revealed in Jesus Christ which underlies our education approach and which is reflected throughout the curriculum

**Units of Study**

Unit 1	Cellular Biology
Unit 2	Animal Anatomy and Physiology
Unit 3	Plant Structure and Physiology
Unit 4	Microbiology
Unit 5	Environmental Science

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



**Evaluation**

<b>70%</b>	<b>30%</b>
Knowledge/Understanding	Culminating Task 10%
Thinking/Inquiry	Exam 20%
Communication	
Application	

**Course Resources Required:**

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