

# HOLY TRINITY CATHOLIC SECONDARY SCHOOL

## COURSE OUTLINE



### Grade 9 Applied Science – SNC1P

**Course Prerequisite: None**

#### **Course Description:**

This course enables students to develop their understanding of basic concepts in biology, chemistry, earth and space science, and physics, and to apply their knowledge of science to everyday situations. They are also given opportunities to develop practical skills related to scientific investigation. Students will plan and conduct investigations into practical problems and issues related to the impact of human activity on ecosystems; the structure and properties of elements and compounds; space exploration and the components of the universe; and static and current electricity.

#### **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 as well as the physical dimension of the world and of their roles as stewards of God's creation.

#### **Units of Study**

Unit 1	<i>Scientific Investigation Skills &amp; Career Exploration</i>
Unit 2	<i>Biology: Sustainable Ecosystems &amp; Human Activity</i>
Unit 3	<i>Chemistry: Exploring Matter</i>
Unit 4	<i>Earth &amp; Space Science: Space Exploration</i>
Unit 5	<i>Physics: Electrical Applications</i>

**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>