

ST. JOSEPH CATHOLIC SECONDARY SCHOOL
COURSE OUTLINE



Name of Course/Course Code: Foundations for College Mathematics MAP 4C

Course Prerequisite: MBF 3C or MCF 3M

Course Description: This course enables students to broaden their understanding of real-world applications of mathematics. Students will analyze data using statistical methods; solve problems involving applications of geometry and trigonometry; solve financial problems connected with annuities, budgets, and renting or owning accommodations; simplify expressions; and solve equations. Students will reason mathematically and communicate their thinking as they solve multi-step problems. This course prepares students for college programs in areas such as business, health sciences, and human services, and for certain skilled trades.

Catholic Graduate Expectations: The mind and its capacity for rational analysis are seen as gifts from the Creator to be used and enjoyed. The training of the intellect ensures that all knowledge can be scrutinized and the divine and the human more deeply understood. In this sense, knowledge is illuminated with the light of faith. In Catholic education, the commitment to maturity of mind and academic excellence is always in reference to God's revealed wisdom as to life's purpose and meaning.

Units of Study

Unit 1	<i>Trigonometry</i>
Unit 2	Geometry
Unit 3	Two-Variable Data
Unit 4	Statistical Literacy
Unit 5	Graphical Models
Unit 6	Algebraic Models
Unit 7	Annuities

Evaluation

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