

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



**Foundations for College Mathematics, Grade 11 / MBF3C**

**Course Description:**

This course enables students to broaden their understanding of mathematics as a problem solving tool in the real world. Students will extend their understanding of quadratic relations; investigate situations involving exponential growth; solve problems involving compound interest; solve financial problems connected with vehicle ownership; develop their ability to reason by collecting, analyzing, and evaluating data involving one variable; connect probability and statistics; and solve problems in geometry and trigonometry. Students will consolidate their mathematical skills as they solve problems and communicate their thinking.

**Course Prerequisite MPM2D / MFM2P**

**Units of Study**

Unit 1	<i>Trigonometry</i>
Unit 2	Geometry
Unit 3	Quadratic Relations
Unit 4	Exponential Relations
Unit 5	Saving and Investing Money
Unit 6	Managing Money

**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.

Unit 7	One Variable Data
Unit 8	Applying Probability

**Evaluation**

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

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**Course Resources Required:**

Paper  
Pencils/erasers  
Scientific Calculator  
Textbook (provided)

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