ST. JOSEPH CATHOLIC SECONDARY SCHOOL
COURSE OUTLINE

Name of Course/Course Code: Principles of Mathematics/MPM 2D

Course Description: This course enables students to broaden their understanding of relations, extend their skills in multi-step problem solving, and continue to develop their abilities in abstract reasoning. Students will pursue investigations of quadratic functions and their applications; solve and apply linear systems; solve multi-step problems in analytic geometry to verify properties of geometric figures; investigate the trigonometry of right and acute triangles; and develop supporting algebraic skills.

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.

Course Prerequisite: MPM 1D

Units of Study

Unit 1	Linear Systems
Unit 2	Analytic Geometry
Unit 3	Geometric Properties
Unit 4	Quadratic Relations
Unit 5	Quadratic Expressions
Unit 6	Quadratic Equations
Unit 7	Trigonometry of Right Triangles
Unit 8	Trigonometry of Acute Triangles

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

Course Resources Required:

Paper
Pencils/erasers
Scientific Calculator
Textbook (provided)