

**HOLY TRINITY CATHOLIC SECONDARY SCHOOL
COURSE OUTLINE**



Name of Course/Course Code: Foundations of Mathematics, MFM 2P

Course Prerequisite: MFM 1D or MFM 1P

Course Description:

This course enables students to consolidate their understanding of linear relations and extend their problem-solving and algebraic skills through investigation, the effective use of technology, and hands-on activities. Students will develop and graph equations in analytic geometry; solve and apply linear systems, using real-life examples; and explore and interpret graphs of quadratic relations. Students will investigate similar triangles, the trigonometry of right triangles, and the measurement of three-dimensional figures. Students will consolidate their mathematical skills as they solve problems and communicate their thinking.

Catholic Graduate Expectations:

Students will apply Christian values to pose and solve problems, to make logical decisions, and to become critical thinkers who share their abilities for the benefit of all in their classroom and school community.

Units of Study

Unit 1	<i>Measurement</i>
Unit 2	<i>Trigonometry</i>
Unit 3	<i>Modelling Linear Relations</i>
Unit 4	<i>Quadratic Relations of the form $y = ax^2 + bx + c$</i>

Evaluation

70%	30%
Knowledge/Understanding	Culminating Task
Thinking/Inquiry	15%
Communication	Exam
Application	15%

Course Resources Required:

Scientific Calculator
Ruler
Pencil
Eraser
Binder with paper
Textbook (Provided)

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