

HOLY TRINITY CATHOLIC SECONDARY SCHOOL

COURSE OUTLINE



Name of Course/Course Code: Foundations for College Mathematics, MBF 3C

Course Prerequisite: Foundations of Mathematics, Grade 10 Applied or Academic

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, analysing, 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.

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: Trigonometry	Unit 5: Exponential Relations
Unit 2: Probability	Unit 6: Personal Finance
Unit 3: Quadratic Relations I	Unit 7: One-Variable Statistics
Unit 4: Quadratic Relations II	

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>