



ST. THOMAS AQUINAS SECONDARY SCHOOL

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We believe that each one, created in the image and likeness of God, is called by name into the Dufferin-Peel community to realize the Ontario Catholic School Graduate Expectations to the fullest extent as we all journey from the early years to vocation.

COURSE OUTLINE

Department Name:	Mathematics
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Course Name:	Grade 12 College Technology Mathematics
Course Code and Section:	MCT4C1

Course Description:

This course enables students to extend their knowledge of functions. Students will investigate and apply properties of polynomial, exponential, and trigonometric functions; continue to represent functions numerically, graphically, and algebraically; develop facility in simplifying expressions and solving equations; and solve problems that address applications of algebra, trigonometry, vectors, and geometry. Students will reason mathematically and communicate their thinking as they solve multi-step problems. This course prepares students for a variety of college technology programs.
Prerequisite: MCF3M1 (11 University/College) or MCR3U1 (11 University), NOT MBF3C1 (11 College)

Strand / Units	Catholic Graduate Expectations
1. Trigonometry 2. Simplifying Functions 3. Sketching Graphs 4. Solving Equations 5. Solving Non-Linear Systems 6. Circles 7. Vectors	The course will help students address the Ontario Catholic School Graduate Expectations that they adopt a holistic approach to life by integrating learning from various subject areas and experience, including ... 1) A reflective and creative thinker who evaluates situations & solves problems. 2) A self-directed, responsible learner who sets appropriate goals and priorities in school, work and personal life, and applies effective communication, decision-making, problem-solving, and time management skills. 3) A collaborative contributor who achieves excellence, originality, and integrity in one's own work and supports these qualities in the work of others. 4) A responsible citizen who accepts accountability for one's own actions.

Assessment and Evaluation:

Category Weightings	Weight
Knowledge/Understanding	30
Thinking	20
Application	30
Communication	20

Final Summative Assessments	Grade Distribution
Term Work	70
Course Culminating	10
Exam	20