



# 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

<b>Department Name:</b>	Mathematics
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<b>Course Name:</b>	Grade 10 Applied Mathematics
<b>Course Code and Section:</b>	MFM2P1

### 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.

**Prerequisite: MFM1P1 (9 Applied) or MPM1D1 (9 Academic).**

Strand / Units	Catholic Graduate Expectations
1. Surface Area & Measurement 2. Analyzing Linear Relations 3. Solving Equations & Formulas 4. Linear Functions 5. Linear Systems 6. Similar Triangles and Trigonometry 7. Algebraic Expressions 8. Quadratic Function Problems	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