



# 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 9 Applied Mathematics
<b>Course Code and Section:</b>	MFM1P1

### Course Description:

This course enables students to develop an understanding of mathematical concepts related to introductory algebra, proportional reasoning, and measurement and geometry through investigation, the effective use of technology, and hands-on activities. Students will investigate real-life examples to develop various representations of linear relations, and will determine the connections between the representations. They will also explore certain relationships that emerge from the measurement of three-dimensional figures and two-dimensional shapes. Students will consolidate their mathematical skills as they solve problems and communicate their thinking.

Strand / Units	Catholic Graduate Expectations
1. Applying Number Sense 2. Perimeter, Area and Volume 3. Analyzing Data Relationships 4. Integers and Rational Numbers 5. Proportional Reasoning 6. Linear and Non-Linear Relations 7. More Linear Relations 8. Polynomials and Modeling With Equations 9. Exploring Geometric Relationships	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	15
Exam	15