# 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 possible as we all journey from the early years to vocation.*

# COURSE OUTLINE

| Department Name: | Mathematics |
|---|---|

| Course Name: | Grade 12 College and Apprenticeship Mathematics |
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| Course Code and Section: | MAP4C1 |

| Course Description: |
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| This course enables students to broaden their understanding of real-world applications of mathematics. Students will analyse data using statistical, methods; solve problems involving applications of geometry and trigonometry; simplify expressions; and solve equations. Students will reason mathematically and communicate their thinking as they solve multi-step problems. This course prepares students for college programs in areas such as business, health sciences, and human services, and for certain skilled trades. |
| **Prerequisite: MBF3C1 Foundations for College Mathematics, Grade 11, College Preparation** |

| Strand / Units | Catholic Graduate Expectations |
|---|---|
| 1. Measurement and Geometry<br>2. Trigonometry<br>3. Two-Variable Statistics<br>4. Apply Data Management<br>5. Graphical Models<br>6. Algebraic Models<br>7. Annuities, Exponential Growth<br>8. Budgeting and Accommodation Costs | 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 …<br>1) A reflective and creative thinker who evaluates situations & solves problems.<br>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.<br>3) A collaborative contributor who achieves excellence, originality, and integrity in one's own work and supports these qualities in the work of others.<br>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 |