

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	
Course Norse	Crade 12 Data Management	

Course Name:	Grade 12 Data Management	
Course Code and Section:	MDM4U1	

Course Description:		
This course broadens stud	ents' understanding of mathematics as it relates to managing	
information. Students will apply methods for organizing large amounts of information; solve		
problems involving probability and statistics; and carry out a culminating project that integrates		
statistical concepts and skills. Students will also refine their use of the mathematical processes		
necessary for success in senior mathematics. Students planning to enter university programs in		
business, the social sciences, and the humanities will find this course of particular interest.		
Prerequisite: MCF3M1 (11 University/College Preparation) with a minimum 65% strongly		
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Prerequisite: MCF3M1 (11 recommended, or MCR3U1 (Strand / Units Ch. 1. Introduction to Probability Ch. 2. Permutations Ch. 3. Combinations Ch. 4. Data Analysis	University/College Preparation) with a minimum 65% strongly 11 University Preparation) Catholic Graduate Expectations 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.	

Ch. 6. Statistics of Two Variables	school, work and personal life, and applies effective communication, decision-
Ch. 7. Probability Distributions	making, problem-solving, and time management skills.
Ch. 8. Normal Distribution	3) A collaborative contributor who achieves excellence, originality, and integrity
Ch. 9. Culminating Project	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	Grade Distribution
Assessments	
Term Work	70
Course Culminating	10
Exam	20