

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 Name:	Grade 12 Advanced Functions
Course Code and Section:	MHF4U1

Course Description:			
This course extends students' experience with functions. Students will investigate the properties			
of polynomial, rational, logarithmic, and trigonometric functions; broaden their understanding of			
rates of change; and develop facility in applying these concepts and skills. Students will also refine			
their use of the mathematical processes necessary for success in senior mathematics. This course			
is intended both for students who plan to study mathematics in university and for those wishing			
to consolidate their understanding of mathematics before proceeding to any one of a variety of			
university programs. Prerequisite: MCR3U1 (11 University Preparation) with a minimum of 65%			
strongly recommended, or MCT4C1 (12 College Technology) with 75% minimum recommended.			
Strand / Units	Catholic Graduate Expectations		
1 Functions: Characteristics and	Catholic Graduate Expectations The course will help students address the Ontario Catholic School		
Strand / Units 1 Functions: Characteristics and Properties	Catholic Graduate Expectations The course will help students address the Ontario Catholic School Graduate Expectations that they adopt a holistic approach to life by		
Strand / Units1 Functions: Characteristics andProperties2 Functions: Rates of Change	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		
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Assessment and Evaluation:

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

Final Summative Assessments	Grade Distribution
Term Work	70
Exam	30