



MISSISSAUGA SECONDARY SCHOOL

Grade 10 Applied Math (Foundations of Mathematics)

Course Overview

Course Code: MFM2P0

Credit Value: 1.0

Pre-requisite: MPM 1D0 or
MFM 1P0

Resource: Foundations of
Mathematics 10 Workbook
(\$10 replacement)

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.

Successful completion of this course prepares students for Functions and Applications, Grade 11 University/College (MCF 3M0) or Foundations of College Mathematics, Grade 11 College (MBF 3C0).

Course Breakdown:

Unit 1: Modelling Linear Relations

Unit 3: Measurement & Trigonometry

Unit 2: Quadratic Relations of the Form $y = ax^2 + bx + c$

Evaluation Breakdown:

70% (Term)	Knowledge & Understanding:	25%	The following assessment & evaluation instruments may be utilized to evaluate students on the four categories of knowledge and skill: <ul style="list-style-type: none"> • Tests & Quizzes • Assignments • Projects & Presentations
	Application:	20%	
	Communication:	10%	
	T.I.P.S. : (Thinking, Inquiring, Problem Solving)	15%	
30% (Summative)	Culminating Task:	10%	
	Final Exam:	20%	

Note: The following Learning Skills will be assessed and recorded on the student's report card:

- Working Independently
- Organization
- Teamwork
- Work Habits/Homework
- Initiative

- For more information, please refer to the Ontario Ministry of Education Grade 10 Curriculum Outline at

<http://www.edu.gov.on.ca/eng/curriculum/secondary/math910curr.pdf>

Attendance & Punctuality:

Regular attendance to scheduled classes, and active participation in learning activities, will provide students with the experiences necessary to successfully complete this credit. Attending classes on time will ensure that there are no gaps in the student's learning. Furthermore, it will also demonstrate commitment to learning, and respect for self & others. Please refer to the student agenda for more information regarding the Attendance and Punctuality Policy.

Homework:

Consistent homework completion is essential for student success. Although students will be given some class time to initiate their homework, they should expect an average of 30 minutes of homework each night. At the beginning of each unit or chapter, students will be given a homework outline. Consequently, students will have the opportunity to plan effectively, manage time efficiently, and work ahead, if possible. Lastly, homework will be monitored periodically, according to your teacher's instruction.

Missed Evaluation:

Students will be given ample notice regarding the scheduled date for an evaluation. Students who know ahead of time that they will be absent for the evaluation, must discuss the situation with their teacher **beforehand**. Students who are unexpectedly absent for an evaluation for a legitimate reason (i.e. illness) must provide their teacher with a Mississauga Secondary School, Math Department, "REASON FOR ABSENCE" Form, which is available online at the course Angel site, as well as the MSS website (www.msslions.ca). A **completed** form must be submitted to your teacher **upon return**. All completed forms will be retained on file. If approved, the student will be given an opportunity to write an alternate evaluation on the immediate Thursday, during the student's lunch period, in the specified classroom. For more details, please refer to the Math Department Information Board, which is located in the Math Forum area between Rooms 303 & 304.

Deadlines:

Students will be given ample notice regarding due dates for assignments. Students are expected to submit work to their teacher **on time**. Please refer to the student agenda for more information concerning the Deadlines Policy.

Extra Help:

Extra help is available to the student in many forms. Firstly, students are encouraged to seek assistance from their teacher, at the appropriate time during the regularly scheduled class. If further assistance is required, students may meet with their teacher during the office time specified by their teacher. **Please record it below.**

Teacher Name: _____	<u>Teacher Assistance Availability:</u>				
	Mon. ____	Tues. ____	Wed. ____	Thur. ____	Fri. ____
	OR				
	Day 1: _____	Day 2: _____	Day 3: _____		
	(Complete above as directed by your teacher)				

I have read the Course Overview for MFM2P0.

Student Signature

Parent/Guardian Signature