



A. Y. Jackson S. S.
www.ayjackson.ca

MFM2P Foundations of Mathematics Grade 10, Applied

General Course Information

Prerequisite:	MFM1P
Department:	Math
Extra Help:	Lunch, before school, and after school
Textbook and Replacement Cost:	Foundations of Mathematics 10, \$90
Material Required:	3-ring binder, calculator, ruler, pencil, graph paper
Course Fee:	none

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.

The course is organized into three strands:

- Measurement and Trigonometry
- Modelling Linear Relations
- Quadratic Relations of the Form $y = ax^2 + bx + c$

A detailed list of the course expectations can be found at www.edu.gov.on.ca/eng/curriculum/secondary/math.html

Assessment and Evaluation

To promote student success, ongoing assessment and feedback will be given regularly to the students. A variety of assessment and evaluation strategies will be used in this course, including, but not limited to, quizzes, tests, projects and assignments. Expectations will be evaluated based on the provincial curriculum expectations and the achievement levels outlined in the ministry document.

Expectations are organized into four categories of knowledge and skills. The categories and their corresponding weighting is as follows:

Knowledge and Understanding	40%
Thinking	10%
Communication	10%
Application	40%

Each student's final mark will be in the form of a percentage grade based on their achievement in the 4 categories on the achievement chart. The breakdown of the final mark is as followed:

Term Evaluation	70%
Final Evaluation	30%

The final Evaluation will be completed during the final 6 weeks of the course and may include a variety of summative activities including an exam, a presentation, a seminar, or an essay or another writing assignment.

In addition to students' performance in the achievement categories, students will also be assessed on their performance in the following learning skills:

- Responsibility
- Organization
- Independent Work
- Collaboration
- Initiative
- Self-Regulation

For specific policies on assessment and evaluation, and academic honesty, please refer to *School Procedures* in the student agenda.