



GEORGE HARVEY COLLEGIATE INSTITUTE
MFM2P – Grade 10 Foundations of Mathematics, Applied



Teacher: A. Chan, M. Jou, J. Lange

Revision Date: September 3, 2013

Assistant Curriculum Leader: A. Chor

Credit Value: One (1) Credit

Prerequisite: MFM1P Grade 9 Foundations of Mathematics, Applied

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.

TEXTBOOK Foundations of Mathematics 10. McGraw-Hill Ryerson: 2007
ISBN Number: 9780070977686 (\$81.81 plus tax and shipping)

REQUIRED MATERIALS

- 3-Ring Binder
- Scientific Calculator
- Writing Utensils and Rulers
- Lined and Graph papers

COMMUNICATION OF STUDENT ACHIEVEMENT

Student progress and achievement are communicated to the students on an on-going basis through: interim progress reports, student-teacher conferences, verbal/written feedbacks, daily practices, formative assessments, and summative evaluations. See student agenda for detailed information on mid-term and final reporting of student achievement of curriculum expectations and learning skills.

Learning is the responsibility of the students. If students experience any kind of difficulty with their studies, access to remedial help is available from the teacher by arrangement. The teacher may contact parents/guardians regarding any concerns about student progress and achievement.

A parent/guardian may contact the teacher regarding any concern or issue about student progress and achievement in person (preferably by appointment), by phone (416) 394-3180, or via email: alisonking-yee.chan@tdsb.on.ca (Ms. Chan) / margaret.jou@tdsb.on.ca (Ms. Jou).

ACCOMMODATIONS FOR EXCEPTIONAL AND ESL/ELD STUDENTS

Appropriate accommodations for exceptional and ESL/ELD students are provided by the teacher following recommendations as outlined in each identified student's Individual Education Plan (IEP) and/or Annual Education Plan (AEP). See student agenda for more information.

ASSESSMENT/EVALUATION

The assessment/evaluation in this course may consist of a combination of the following:

- Quizzes /Tests
- Notebooks
- Projects/Presentations
- Assignments
- Culminating Activity
- Written Exam

See student agenda online for detailed information on school policies regarding attendance, absences, late, homework, late assignments, missed work/evaluations, and academic integrity.

SUMMATIVE EVALUATION

Summative evaluation is represented by a percentage grade which is a weighted average of the four achievement categories as outlined in the Ontario curriculum documents:

Achievement Categories	Knowledge	Thinking/Inquiry	Communication	Application
Percentage Weightings	30%	15%	25%	30%

Term Evaluation (70%):

Unit	Topic	Approx. Time	Evaluations
1	Linear Equations and Formulas	15 Hours	Mini-Test (wt. 10) Test (wt. 20)
2	Linear Relations	15 Hours	Assignment (wt. 10) Test (wt. 20)
3	Linear Systems	15 Hours	Mini-Test (wt. 10) Mini-Test (wt. 10) Test (wt. 20)
4	Similar Triangles	6 Hours	Mini-Test (wt. 10)
5	Trigonometry	12 Hours	Mini-Test (wt. 10) Test (wt. 20)
6	Volume & Surface Area	4 Hours	Assignment (wt. 10) Test (wt. 20)
7	Quadratic Expressions	13 Hours	Mini-Test (wt. 10) Test (wt. 20)
8	Quadratic Relations	10 Hours	Mini-Test (wt. 10) Test (wt. 20)
9	Represent Quadratic Relations	10 Hours	Test (wt. 20)

Each in-class assignment is worth a weight of 10, and each take-home assignment is worth a weight of 5.

Final Evaluation (30%):

Final evaluations cover all strands and overall curriculum expectations of the course, across all four achievement categories.

Final Exam	25%	End of course
Culminating Review	5%	End of course

I have read the above information and I understand the expectations of this course.

Student Signature: _____

Parent/Guardian Signature: _____