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2018 – 2019

###### Grade 10, Applied

### Foundations of Mathematics

 MFM2P1

**Evaluation Profile & Outline**

## Earl Haig

SecondarySchool

**Course Description/Rationale/Overview:**

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.

**Course Requirements/Department Policies**

* Grade 9 Math, Academic or Applied credit needed
* Student must inform teacher in advance if he or she will be missing a test because of an appointment or a school activity
* If a student is ill on the day of a test , he or she must call the Math Office (416-395-3210 ext. 20080) to inform the teacher and to make arrangements to write the test
* Student must be ready to write the test on the day of return

**Class Requirements:**

Pen / Pencil / Ruler

3 Ring Binder

Scientific Calculator

#### Extra Help Availability

Monday to Thursday after school through Peer Tutoring program.

All extra help sessions are held in room 248.

Students should make appointments with their teachers to get extra help.

#### Assessment Strategies

Diagnostic Quizzes Homework Check

Diagnostic Tests Group Work

In-class Assignments Technology Based Tasks

Peer Assessments Observations

Class Participation/Interaction

Conferences/Interviews

**Learning Skills:**

Responsibility; Initiative; Organization;

Independent Work;

Collaboration;

Self-regulation

**Curriculum strands:**

Modelling Linear Relations

Measurement and Trigonometry

Quadratic Relations of the Form 

**FINAL MARK**

Year’s Work: 70%

Final Summative Evaluation 30%

Achievement Categories and Weighting

Knowledge & Understanding 25%

Application 20%

Thinking 10%

Communication 15%

 **Outline**

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SecondarySchool

2018 – 2019

###### Grade 10, Applied

### Foundations of Mathematics

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**Modelling and Linear Relations**

1. Equations and Formulas
2. Linear Functions
3. Systems of Linear Equations

**Quadratic Relations of the Form **

1. Numeracy
2. Algebraic Expressions
3. Quadratic Functions
4. Solve Problems: Quadratic Functions

**Measurement and Trigonometry**

1. Similar Triangles
2. Trigonometry
3. Solve Problems involving Surface Area and Volume