Westside Secondary School

Orangeville, Ontario, Canada

519-938-9355 **Course Outline** *www.ugdsb.on.ca/westside*

Course: MFM2P - Grade 10 Applied Mathematics **Program Leader:** Rob Marchildon
Teacher: Ms. M. Phillips **Email:** maryte.phillips@ugdsb.on.ca **Website:** Google Classroom

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.

Big Ideas (overall learning outcomes for the course):

- The point of intersection of a linear system can be used to make real world decisions.
- The key features of a quadratic relation are related to important information in real world problems.
- If you know the right information about a triangle, trigonometry can be used to find all of the information about a triangle.

Achievement Categories: Student learning is assessed and evaluated with respect to the following four categories of knowledge and skills.	**Knowledge and Understanding:** 25 % **Thinking:** 25% **Communication:** 25 % **Application:** 25%

Assessment and Evaluation:
Formative assessments are used to improve student learning by providing varied opportunities to demonstrate an understanding of course expectations in preparation for summative evaluations. Students will have the opportunity to complete mastery quizzes throughout each unit which may lead to a reduced summative assessment. Summative evaluations test groups of key expectations. Failure to complete a summative evaluation may result in the expectations of the course not being met and the credit not being granted.
The following soft skills will be assessed:
Responsibility, Organization, Independent Work, Collaboration, Initiative, Self-Regulation

More details about Westside's Assessment and Evaluation Policy is available at:
http://www.ugdsb.ca/westside/wpcontent/uploads/sites/74/2016/12/Westside-Assessment.pdf

F**or this course only, each student has the opportunity to have a reduced final exam.**

For a student to have a reduced final exam, they must:

- Be absent less than 10 classes in total for the semester (excused or unexcused)
- Achieve at least 70% term average
- Achieve at least 70% on their in-class culminating project

When a student does not achieve 70% or above on a unit summative assessment and still wants the opportunity to write a reduced final exam, they must:

- Attend 2 remediation sessions at lunch with their teacher following their particular summative
- Possibly write a make-up summative assessment to demonstrate an improved understanding
- Possibly complete a review package at the end of the semester to demonstrate an improved understanding in the unit(s) that they did not receive 70% or above in.

Late Policy:
Students are expected to complete all assigned work and submit it by the teacher's established due date. Every attempt will be made to encourage students to complete all assigned work on time so their grade represents their actual achievement. For late and missed summative assessments, please see the *Westside Students' Contract for Missing Evidence of Learning*.

	Term Work (70%)
Unit of Study	**Summative Evaluations**
Equation of a line	Unit Test
Linear Systems	Unit Test and/or Performance Task
Quadratics	Unit Test
Measurement	Interview and/or Performance Task
Similar Triangles and Trigonometry	Unit Test
	Final Summative (30%)
Culminating Activity	In class - last week of class (10-20%)
Final Exam	On Exam Day (10 - 20%)

Student Expectations:
Every student enrolled in Mathematics at Westside is expected to:

- be prepared for class each and every day. This means you bring a writing utensil, calculator and paper with you to class
- actively participate in class discussions
- be on time to class
- complete homework assigned
- learn to problem solve using the techniques you will learn in class

Final Assessments/Examinations

Culminating activities for each unit must be completed by the student in order to achieve the credit. Failure to complete any one of them may result in loss of credit.

There are no extensions or exemptions for final assessments without the approval from an administrator.

The following soft skills will be assessed:
Responsibility, Organization, Independent Work, Collaboration, Initiative, Self-Regulation

I have read and understand the Course Outline: (front and back)

Student Name (please print): _____ Signature: _____

Parent/Guardian Name (please print): _____ Signature: _____

Parent/Guardian email (please print): _____