West Carleton Secondary School
Principles of Mathematics MPM2D
Course Outline 2022-2023

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EVALUATION

Term Work (see below)	**70%**
Final Exam	**30%**

COURSE EXPECTATIONS

Trigonometry

Unit	Description
1	**T1/2/3:** Use knowledge of ratio and proportion to investigate similar triangles and solve problems related to similarity. Solve problems involving right triangles, using the primary trigonometric ratios and the Pythagorean Theorem. Solve problems involving acute triangles, using the sine law and the cosine law.

Quadratic Relations

Unit	Description
3	**Q1/2:** Determine the basic properties of quadratic relations. Relate transformations of the graph of $y = x^2$ to the algebraic representation $y = a(x-h)^2 + k$.
4 & 5	**Q3/4:** Solve quadratic equations and interpret the solutions with respect to the corresponding relations. Solve problems involving quadratic relations.

Analytic Geometry

Unit	Description
2	**G1**: Model and solve problems involving the intersection of two straight lines.
6	**G2/3:** Solve problems using analytic geometry involving properties of lines and line segments. Verify geometric properties of triangles and quadrilaterals using analytic geometry.

POLICIES AND PROCEDURES

If your child is aware that he/she will miss a test due to an appointment/sports event etc., it is the student's responsibility to let the teacher know **AHEAD** of time. The student will then make arrangements with the teacher to write the test **AHEAD** of time. If arrangements are not made before the test, department policy requires that students verify any absences from tests with a note from a parent, guardian or a doctor. **The student will write a compensation test.** In the event of an unexpected absence the student will write a compensation test. The compensation tests take place after school on the following Thursday.

Students may be given a one-time opportunity to replace **ONE** unit test with a make-up test near the end of the semester. In order to qualify for this opportunity, the student will be asked to do extra review for that unit. If a student has already written a compensation test for a particular unit, that unit will **not** qualify for the make-up test at the end of the semester.

Students cannot miss the final exam unless they have a medical certificate.

Thank You
West Carleton Mathematics Department