

# Lambton Kent Composite School

J. Keane, Principal



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**Course:** Principles of Mathematics      **Course Code:** MPM2D      **Grade:** 10  
**Course Type:** Academic      **Credit Value:** 1      **Prerequisite:** MPM1D  
**Curriculum Document:** *Mathematics, Grades 9 and 10, 2005, Revised*  
**Textbook:** MHR Principles of Mathematics 10      **Teacher:** R. Colvin

## Course Description:

This course enables students to broaden their understanding of relationships and extend their problem-solving and algebraic skills through investigation, the effective use of technology, and abstract reasoning. Students will explore quadratic relations and their applications; solve and apply linear systems; verify properties of geometric figures using analytic geometry; and investigate the trigonometry of right and acute triangles.

## Required Materials:

Students are expected to come to class every day prepared with:

3 ring binder	lined paper	graph paper	I-pad
ruler	scientific calculator	pencils/pens	eraser

## Units of Study:

- |                         |                                    |
|-------------------------|------------------------------------|
| 1. Linear Systems       | 5. Quadratic Expressions           |
| 2. Analytic Geometry    | 6. Quadratic Equations             |
| 3. Geometric Properties | 7. Trigonometry of Right Triangles |
| 4. Quadratic Relations  | 8. Trigonometry of Acute Triangles |

**Evaluation:** A student's final grade in the course will be determined as follows:

**70 % TERM MARK** A student's term mark will include a variety of evaluations such as tests, quizzes, assignments and presentations and will be marked according to the following weightings.

Knowledge and Understanding	30%	Application	30%
Communication	20%	Thinking and Inquiry	20%

**30 % SUMMATIVE EVALUATION** Will include a final examination, and may include other summative tasks or assignments.

## Late Policy:

Students are expected to submit all assignments within the time frame specified. While teachers will consider extenuating circumstances, late students are subject to mark deductions. If an assignment is late, a penalty of 10% per school day will be deducted, up to a maximum of 50%. Once assignments have been returned to the class, late submissions may receive a mark of zero.

**Student Expectations: In order to be successful in MPM2D all students must:**

**1. Attend class every day:**

If you are absent it is YOUR responsibility to obtain notes from a classmate, catch up on missed work, find out about any upcoming evaluations and see the teacher if you need assistance.

**2. Arrive to class prepared to work physically and mentally:**

Class time is precious and will not be wasted going to your locker or to the washroom. Make sure you bring the required materials, use the washroom during breaks and are in your seat ready to work when the bell rings.

**3. Complete and check all homework:**

Homework and assignments are crucial to your success in mathematics because they help to solidify and check your understanding of the topic. Homework and assignments should be completed on the day they are assigned and will be checked, taken up or discussed in class. If you have difficulty with the homework extra help is always available but YOU have to ASK.

**4. Make arrangements for any missed tests/quizzes.**

If you know you are going to be away on the day of a test (sport/club etc) make sure you make arrangements with the teacher to write the test at an alternate time. For unexpected absences, see the teacher BEFORE CLASS on the day you are back at school. Tests or quizzes missed due to TRUANCY will result in a mark of ZERO.

**5. Do your best work all the time:**

In mathematics it is important to use good form and proper solutions to avoid confusion. Solving problems CAREFULLY and CORRECTLY is always better than solving them QUICKLY but WRONG.

**6. IPAD Policy:**

In this class students will use their IPAD in a variety of ways including use of e-textbook, online resources, presentation software and graphing calculator apps. During class time it is expected that students will **not** use IPAD's for **games** or **music**. Failure to adhere to this policy will result in removal of IPAD from student use. While the IPAD contains several good calculators and graphing software programs, students will **not** generally be allowed to use IPADs during **tests or quizzes**.

I understand the above expectations and I am ready to be successful in mathematics:

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STUDENTS SIGNATURE

\_\_\_\_\_  
PARENT'S SIGNATURE

