



MPM1D-E

Principles of Mathematics

Course Description

This course enables students to develop an understanding of mathematical concepts related to algebra, analytic geometry, and measurement and geometry through investigation, the effective use of technology, and abstract reasoning. Students will investigate relationships, which they will then generalize as equations of lines, and will determine the connections between different representations of a linear relation. They will also explore relationships that emerge from the measurement of three-dimensional figures and two-dimensional shapes. Students will reason mathematically and communicate their thinking as they solve multi-step problems.

Course Evaluation

Evaluation of this course will be broken down as follows:

✓	Course Work	70 %
✓	Final Exam	30 %

The course work portion will be evaluated on the following:

✓	Unit Tests	30 %
✓	Mini-Tests	20 %
✓	Assignments	20 %

Please note that our course work will also be assessed based on your participation and completion of group work, presentations, discussions, debates, simulations, and homework assignments.

Missed Evaluations

If you know that you will miss any form of evaluation (tests, mini-tests, etc.), you must speak to your teacher at the earliest possible date and make alternative arrangements. If you miss an evaluation without prior notification, you may receive a mark of zero. If your absence is legitimate, it is your responsibility to explain the absence to your teacher the day you return to school and make alternative arrangements and provide any reasonable documents your teacher may request.

Alternative arrangements may include:

- ✓ Completing the same assessment as the class on the first day back
- ✓ Completing a modified version of the assessment at a later date
- ✓ Completing an oral assessment at a suitable date

COURSE INFORMATION

REQUIRED TEXT

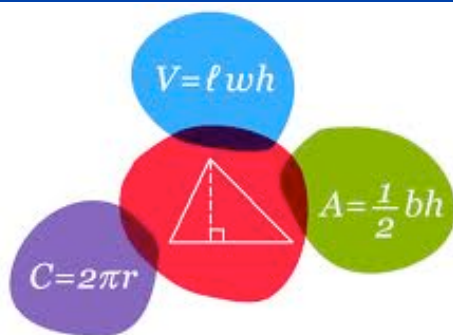
Principles of Mathematics 9
(McGraw-Hill Ryerson)

COURSE UNITS

1. Number Sense and Algebra
2. Linear Relations
3. Analytic Geometry
4. Measurement and Geometry

REQUIRED MATERIAL

- Three-ring binder with paper
- Pens, pencil, eraser, & ruler
- Laptop computer (used for academic purposes only)
- Textbook
- Scientific Calculator
- Optional: TI-83 Graphing Calculator



Policy on Late Submission of Work

Completion of assigned work and meeting deadlines is an important skill, therefore, failure to complete assigned work without an acceptable explanation by the pre-determined deadline demonstrates a failure to adequately meet some of the expectations addressed by the assignment.

Evaluations and submissions are due when assigned whether or not you are present in class. If you know you will be absent on a due date, it is your responsibility to make arrangements for your evaluation to be submitted on time. Therefore, late submission of work will incur a five-percent per-day penalty up to a maximum of twenty-percent.

Submission of work after assignments have been evaluated and returned will not be accepted and may be given a grade of zero. Any requests for extensions received 24 hours before a deadline, when transmitted through email, will NOT be accepted.

Notes & Readings

All notes from the board must be carefully copied. Some electronic notes must be downloaded and printed. Your notes should be dated and organized chronologically. It is your responsibility to ensure that your notes are complete, i.e., borrow and copy any notes for days that you have missed from a classmate – your teacher will not provide you with photocopies of notes. Your teacher may ask to see your notebook as part of your evaluation of your Presentation of Reasoning.

Homework

Homework is the foundation of your mathematics education and it must be completed each day. To acquire and master new skills and concepts, you must practice and apply them. It is your responsibility to find the homework that was assigned, even if you were away, posted online under the appropriate course link at <http://ssd.rsgc.on.ca>.

Solutions to every question assigned is a required part of your homework and will help you prepare for exams and tests. The final answer is NOT considered a complete solution – you must show your reasoning/work.

Since it is almost always checked and certainly always discussed the following class, you should start your homework the day it is assigned and use the day in between to get help if necessary. Copy the correct solution and write a quick note to yourself during classroom discussions to avoid making the same error again.

Always Do Your Homework & Ask Questions

EXTRA HELP & AVAILABILITY

I am available for extra-help on a request basis. Lunch time and after school arrangements should be made in advance.

In most cases when not teaching, you can find me in the staff room or staff workroom (the room beside the color printer).

The best way to contact us is through email:

rkotecha@rsgc.on.ca

SCHOOL COMMITMENTS

Fall Term:

U 13/14 Soccer

Winter Term:

U 12 Basketball

Spring Term:

T.B.A

SSD

