GRADE 12 ESSENTIAL MATHEMATICS
COURSE OUTLINE
[WEB BASED DELIVERY AND INDEPENDENT STUDY]

Term 4: 14 April – 11 June, 2020 (Proposed)
Mr. Rick F.
mrf_teach@hotmail.com
Final Exam: Wednesday, 10 June, 2020 (Proposed)

Delivery. The course will be delivered as Web-Based on-line, and alternately as Independent Study Option (ISO) with printed material.

Web Based. Teacher MrF will be daily on-line from **09:30 to 12:30** (+) to respond to e-mail questions and to prepare related YouTube movies and Daily Notes in a shared file as per previous courses.

ISO. An alternate and complementary delivery method is an Independent Study Option with the printed material from the MrF Teach Website: Further details for the Independent Study Method will be provided with that materiel.

MrF Contact:
e-mail: **mrf_teach@hotmail.com;**
facebook: **https://www.facebook.com/mrf.teach.5 [MrF Teach]**
website: **mrfteach.mb.ca/wp**
phone: **as provided in instructions to ISO students**

We live in a rapidly changing world. Mathematics is playing more and more a role in our everyday lives. A firm foundation in mathematics is now an essential part of living in today's fast - paced society. On this Grade 12 Essential Mathematics course you will learn several of the essential skills of today's working world.

Grade 12 Essential Mathematics is intended for students whose post-secondary planning does not include a focus on mathematics and science-related fields. Grade 12 Essential Mathematics is a one-credit course emphasizing consumer applications, problem solving, decision making, and personal finances. Grade 12 Essential Mathematics builds on the knowledge and skills of prior Essential Mathematics.

Topics

Unit Label	Subject	Class Hours
A	Problem Solving / Analysis Games	14
B	Vehicle Finance	16
C	Statistics	8
D	Precision Measurement	12
E	~~Career Life Project~~	~~12~~
F	Home Finance	13
G	Geometry and Trigonometry	14
H	Business Finance	10
I	Probability	11
	Total	110 hrs

Attendance. Attendance and participation will be communicated to funders based on the student's regular e-mail contact and timely participation.

Supplemental Materials / Equipment: A scientific calculator is required. The ones with the 50 to 100 different functions. While a $3 Dollarama scientific calculator is sufficient, a **$15 - $20** calculator that features **Multi-Line Display** or equivalent is especially desirable. Yellowquill Reception has the perfect calculator for $14.

Textbook. There is no text book for the course. Each unit has its own prepared set of class notes and workbook for students to interact with. **Notes are also available on the MrF Teach website.**

Pre-Requisites. Grade 11 Math, or the equivalent experiential learning, is a pre-requisite for the readily successful completion of the course. There will be many occasions to backfill with *some* prior studies. Notably, for example, knowing the multiplication tables is critical.

Assessment and Evaluation. Assessment is based on quizzes, a submitted Mid-Term Test; and a Final Exam

Item	Approx. Percentage of Mark
Two Written Quizzes	10% each (29 Apr* , 27 May*)
Participation Quizzes and selected Unit Hand-in Assignments	25%
One Mid Term	25% (13 May *)
Final Exam	40% (10 Jun *)
Homework	Homework is by self-completion worksheets or on-line. The worksheets have the answers! Worksheets do not need to be submitted. Do not neglect to do them though. Completed quizzes can be submitted physically or by e-mail.
* Dates Tentative	

Yellowquill Office Number. Reception is at 953-2800.

Reference Notes. You are encouraged to make a single sheet of study notes ('cheat sheet') and revise it throughout the course. The single sheet of notes is allowed on all test and exams and final exams. Composing your thoughts onto a single sheet of paper is a powerful way to learn.

Conclusion. We are all in this together. It will be a lot of work for all of us, myself included. But I am prepared to deliver to you a great Grade 12 Essentials mathematics course with your eager and enthusiastic participation.

This could be fun and a great learning experience in more ways than one!