GRADE 10 ESSENTIALS (20S) MATHEMATICS COURSE OUTLINE

Term 2: November 7, 2022– January 18, 2023
   Mr. Rick Furney
   mrf_teach@hotmail.com
Final Exam: Wednesday, 18 January, 2023; 09:00

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 10 Essential Mathematics (Math 20S) course you will learn several of the essential skills of today's working world.

Grade 10 Essential Mathematics is intended for students whose post-secondary planning does not include a focus on mathematics and science-related fields. Grade 10 Essential Mathematics (20S) is a one-credit course emphasizing consumer applications, problem solving, decision making, and spatial sense. Grade 10 Essential Mathematics builds on the knowledge and skills of prior studies and provides a foundation for the topics to be studied in Grades 11 and 12 Essential Mathematics.

Topics

Unit Label	Subject	Hours
A	Analysis of Games and Numbers / Problem Solving	11
B	Personal Finance	22
C	Measurement	17
D	2-D Geometry	10
E	Trigonometry	17
F	Consumer Decisions	6
G	Transformations	12
H	Angle Construction	15
	Total	110 hrs

COVID 19 Procedures. Prevailing safety procedures will be published and applied. In the event of a 'remote learning' migration; home internet access with appropriate devices will be necessary and the published Remote Learning Procedures will be applied.

On-Time. Notice that 110 hours is necessary for this course. This is a quick paced course! Disruption of your class through late arrivals too frequently does not promote effective learning. Late arrivals and extended breaks just complicate timely delivery of the course.

Extra Assistance. I am more than readily available at short notice for any and all students for additional assistance provided they are industrious and earnest.

External Support. You will find that I favour the effective use of technology and internet. Check out: '*mrfteachmb.com*' for more than ample additional support. Students are to maintain daily watch on the Daily Blog there!

Attendance. Attendance and tardiness are recorded daily and processed by the office and funding agencies. Making up missed work and notes is your responsibility. There is more than sufficient means to readily locate what you have missed.

Equipment and Material: A scientific calculator is required. A $3 Dollarama calculator is not sufficient, a **$15 - $20** calculator that features **Multi-Line Display** or equivalent is especially desirable. One that does fractions (an **a b/c** button) is useful too! The calculator supplied on your phone is generally no better than a $3 Dollarama calculator although there are some good Scientific Calculator Apps I will show you. But a handheld calculator is preferred by far

Pre-Requisites. Grade 9 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, however, knowing the multiplication tables is **critical**.

Assessment. A variety of assessment tools will be employed and are not necessarily limited to the following: *In the event of migration to remote learning the assessment methods will be adjusted*.

Type	Weight Factor
Homework	10
Quizzes (x ~5)	20
Mid-Term Test	40
Projects/Portfolios	as required
Final Exam & Cheat Sheet	30% of Final Mark

Food/Drink. Food is not permitted in the classroom except for specific occasions. Drinks are permitted provided they have a secure lid.

Smart Phones and Related Devices. Smart phones and related devices can be very powerful tools in a mathematics class. There are some wonderful apps we may explore out of interest. Smart phones and related devices are to be stored away in vibrate mode. Students more interested in their social media will be invited to leave the room while they are so engaged. There will be limited occasion during which to be using IPods and ear buds in the classroom.

Emergencies / Office Number. Reception is at **953-2800**. It will be useful to share this number with child care facilities and immediate family for emergencies only.

Conclusion

We are all in this together. It will be a lot of rewarding work for all of us, myself included. But I am prepared to deliver to you a great Grade 10 Essentials mathematics course with your eager and enthusiastic participation.

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Date   Instructor