

MATHEMATICS 11 (2021-2022)

Instructor: Kathy Fuller



Mathematics 11 will provide students with the opportunity to experience mathematical questions and problems that are closely related to everyday, real life situations. The graphing calculator will be used extensively.

The material will be covered at a faster pace and in more detail than in Mathematics 10. It is important that students have selected this course on the basis of the recommendation made by their Mathematics 10 teacher. The course is recommended for students that have done well in math for several years. Students should be strong problem solvers and critical thinkers.

TEXT: Nelson's Foundations of Mathematics 11 (online login details are available)

CHAPTERS:

1. Inductive & Deductive Reasoning
2. Properties of Angles & Triangles
3. Acute Triangle Trigonometry
4. Oblique Triangle Trigonometry
5. Statistical Reasoning
6. Systems of Linear Inequalities
7. Quadratic Functions & Equations
8. Proportional Reasoning

EVALUATION: *Cumulative grades* provide a 'snapshot' of a student's progress at any time in the course without locking in a grade prior to the conclusion of the course. Parents and students will be able to access an accurate account of grades after assessments are graded through the use of PowerSchool.

UNIT	WEIGHT
Systems of Linear Inequalities	15%
Quadratic Functions & Equations	20%
Logical Reasoning/Properties of Angles & Triangles	12%
Acute & Oblique Triangle Trigonometry	16%
Statistical Reasoning	12%
Proportional Reasoning	5%
EXAM	20%

**Each unit may include: tests, quizzes, assignments, activities, concept checks*

**If a student does not write their final exam, their test average will be substituted for their exam mark.*

**Any grade may be subject to professional judgment.*

**Unit weights are subject to change*

THANK YOU FOR:

- being **on time** for class, being **prepared** for class, being **respectful** of others, and being **ready to learn**.
- putting your **cellphone** away when entering this room.
- leaving your **food/drinks (including bottled water)** in your locker or backpackthis room is a science lab/computer lab.
- leaving your **bookbags/backpacks** at the door.
- using recess, lunch and time between classes to **use the phone for personal matters, washroom, fountain, etc.**
- keeping the tables, books, equipment, and/or computers/accessories in **good condition**.

CLASSWORK/HOMEWORK: You are expected to demonstrate a mature attitude toward learning with a growth mindset. Please use your class time efficiently. Classwork/homework is to be completed as assigned.

CHECKPOINT ASSIGNMENTS: Checkpoint assignments may be given on a regular basis. These will be in-class assignments on previous learning. *Be sure to keep up to date with problems assigned for classwork/homework!!!*

CONCEPT CHECKS: Concept Checks will be given weekly. These will be based on recent work. *Be sure to review lessons nightly & always be ready!!*

QUIZZES/TESTS: If you are absent for a quiz/test, you should be prepared to write a make-up quiz/test at lunch on the day you return if an **excusable absence** has been provided. Your dates are known well in advance, so please avoid making appointments on quiz/test days, if possible. Dates are clearly posted in the lab and also in Google Classroom.

EXTRA HELP: Extra help will be available regularly for students making an honest effort. Please sign up in the Extra Help Google Sheet in Google Classroom.

MISSED TIME: If you are absent for a class, it is your responsibility to contact a member of your class prior to your return and make arrangements to get any notes. Please check **BOTH** Google Classroom and my webpage! Any handouts will be provided, however, it is your responsibility to request them. If there was an evaluation item during your absence, then you are expected to complete this at lunch upon your return.

ACADEMIC INTEGRITY: If it becomes apparent that a student has cheated on quizzes/tests/exams, or has copied work, then a mark of zero will be assigned for that work. Please refer to the Student Handbook and please do not allow other students to copy your work.

SUPPLIES: Binder, looseleaf, pencil, ruler, protractor, graph paper, graphing calculator, print credit.

*****Please note that this course outline is subject to change*****