FI Geometry, Measurement & Finance 10

COURSE SYLLABUS FALL 2017

**TEACHER EMAIL:** ashley.farnsworth@nbed.nb.ca

**WEBSITE:** <https://secure1.nbed.nb.ca/sites/ASD-W/FrederictonHigh/Teachers/>

Select Farnsworth, A in the list found on the right side of the page. Once on my page, select post titled FI

Geometry, Measurement & Finance 10 Math for class updates and class notes to print.

**REMINDERS:** Students & Parents/Guardians may sign up for my `Remind` updates by texting @kb3e4f to

1-506-800-0049. **Please use your full name** when signing up. Parents are also welcome to sign up to get these reminders. Only special or urgent messages will be sent out using the Remind app. Homework may be found out by accessing my website.

**TEXTBOOK:** Les mathématiques au travail 10. Textbooks will be used as a classroom resource. Students may sign them out should they wish to take one home for an evening.

 **COURSE OUTLINE**: There are 4 main units:

**Unité 1 – Prix unitaire, conversion des devises et toucher un salaire**

* + Les prix unitaire et la conversion des devises
	+ Les taxes, les marges brutes et les soldes
	+ Le salaire et rémunération
	+ Les fiches de paie

**Unité 2 – Les services financiers**

* + Le choix d’un compte
	+ Les intérêts simples et composés
	+ Les cartes de crédit et les empruntes

**Unité 3 – La géométrie et la trigonométrie**

* + Les angles et les droites parallèles
	+ Le théorème de Pythagore
	+ Les rapports trigonométriques de base (sin, cos et tan)

**Unité 4 – Les conversions des mesures, l’aire totale et le volume**

* + Les mesures linéaires
* La température et la masse
* La conversion des mesures
	+ L’aire totale des figures tridimensionnelles
	+ Le volume des figures tridimensionnelles

**Course Evaluation**: UNIT TESTS 40%

 ASSIGNMENTS AND QUIZES 30%

 EXAM 30%

**Note:** A student who fails a test may rewrite for a **maximum mark of 60%.** There will be a specific date set for those seeking to rewrite a unit test. Quizzes and assignments are not eligible for rewrites.

**MATH DEPARTMENT POLICY FOR MISSED EVALUATIONS:** Students should be prepared to write

any missed evaluations ***upon their return to class***. Please make arrangements to try and complete the

missed assessment with me during lunchtime or afterschool so that you do not miss additional classroom

instruction. Please feel free to contact me via the Remind App to make these arrangements***. An excuse***

***must be provided (preferably by email)*** from parent/guardian upon return to my class. **Non-valid**

**absences will result in the student receiving 60% of the grade obtained**.

**SUPPLIES:** Large binder (notes will be printed), loose leaf, section dividers for binder (to divide the binder by chapter or unit), pencils, erasers and a scientific calculator. Regarding the calculator, a good calculator that will last one through University will have: a two-line display, an ANS button to recall the previous answer and the ability to go back and edit a prior calculation. The ability to store multiple answers and recall them later will be a very useful feature in the grade 11 Foundations of Mathematics course. These features can be found in most calculators ranging from $15 - $30. \*\*NOTE: Graphing calculators and cell phone calculators will NOT be permitted on any assessment and will not be used in class\*\*

A ruler and protractor will be useful at times during this course but are not considered necessary.

**COURSE AND CLASSROOM EXPECTATIONS:** For this class, you are expected to…

* Have regular attendance. If you are absent on any given day, then it is **your** responsibility to catch up on the notes and work that you missed. All course material distributed is provided on the course website. Should you miss a class, you must connect with another class member to complete the notes as the definitions and examples are left blank. **Excuses** for absence must be provided and it is preferable that it is emailed to both the homeroom teacher and myself as soon as possible.
* Personal electronic devices are to be used for classroom related activities only, unless otherwise instructed. Failure to do so will result in disciplinary action.
* You are permitted a bottle of water, but please refrain from eating or consuming other beverages. It is not only disruptive, but many students have certain allergies.

**HOMEWORK:** Homework will be given on a regular basis. The purpose of homework is to practice skills

learned in class. This will lead to success in the course. Homework, assignments and information pertaining to

this course will be posted regularly on my website (see teacher pages on the FHS website). Homework for a

specific section will be found at the end of that section`s notes. There will be short formative assessments at

regular intervals that will assess comprehension of the assigned homework. **Progress will be tracked and**

**posted in the classroom.**

**EXTRA HELP:** Offered in my classroom from 12:30 – 1:15 on Wednesdays or by appointment. Please seek assistance on the first day that you discover that you are experiencing difficulty, otherwise the work can become overwhelming.

**LOGIC PUZZLES:** If you find that you have completed all of your course work during class time or that you have finished an assessment with time to spare, you are expected to work on logic or math puzzles. These can be downloaded on Smartphones or you can find paper copies in my classroom. Pre-approved puzzles include KenKen, Hashi (aka Bridges) and Kakuro (no Sudokus). Any ThinkFun game (such as Solitaire Chess) is also acceptable. These games will help develop strategic thinking and can help strengthen basic math skills such as factoring composite numbers (KenKen is excellent for this). If you would like a game approved, you must see me on your own time and you must be able to *present its value* towards developing skills in numerical reasoning using problem solving techniques.

**MATH COMPETITIONS:** Various math competitions are available for you to take part in over the year. I will do my best to keep you informed of the dates. I will be hosting a math competition club during lunchtime on Mondays in my classroom where will go over content frequently found in the competitions as well as practice for team relays.

**I wish you all the best of success in FI GMF 10 this year!!!**

**Mme Farnsworth, C26**