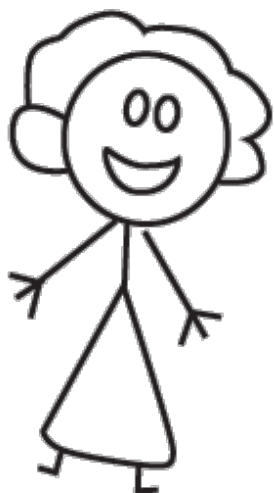Name: _____

**Welcome in**

**Foundations of Mathematics and Pre-Calculus 10**

**Mrs. Ferris**

**dagmar.ferris@yesnet.yk.ca**

Room #145

COURSE DESCRIPTION: Foundations of Mathematics and Pre-Calculus 10 is a conceptual course requiring a solid mathematics background, ability to further develop abstract reasoning and good problem solving.

COURSE EXPECTATIONS: Students are expected to maintain the necessary work habits in order to adhere to the course schedule. It is the **student's** responsibility to seek help during class or, by prior arrangement, outside of class time.

**Students are responsible for work missed due to absence. Extra help with missed material will be available <u>after</u> the student has <u>obtained and attempted</u> the missed material.**

Further information about the course curriculum can be found at:

https://curriculum.gov.bc.ca/sites/curriculum.gov.bc.ca/files/curriculum/mathematics/en_mathematics_10_foundations-of-mathematics-and-pre-calculus_elab.pdf

# COURSE EVALUATION:

1. Test topics and dates will be announced in advance. Students are encouraged to make an arrangement with their teacher to write the missed test as soon as they return to school after their excused absence.
2. Quizzes will NOT be announced in advance. A grade of zero will be scored for a quiz missed due to lateness or unexcused absence. A student with an excused absence on the day of the quiz will not be penalized. Quizzes will be solely based on material presented in class <u>and</u> assigned homework.
3. Assignments (projects, in-class work and assignments) will be checked regularly, and may be collected without prior notice**. It is expected student will demonstrate the steps leading to their answer in all work**. Unsubstantiated work will not be credited as the process leading to an answer is often more valuable than the answer itself.
4. Attendance and behaviour expectations for quizzes and tests are the same as the school's expectations of students for final exams. No phones in sight.

5. Copying other's work, enabling others to copy one's work, and using unauthorized material during quizzes and tests is considered plagiarism. Plagiarism is a sever offence and it will be taken into consideration during student's evaluation.
6. Students are expected to <u>clearly identify all the resources and references</u> they use to complete any given project or assignment.

**CALCULATION OF CLASS WORK MARK:**

| | |
|---|---|
| Tests | 30.0% |
| Quizzes | 35.0% |
| Assignments and classroom participation | 35.0% |
| Total | 100.0% |

**FINAL MARK – School-based final exam**

| | |
|---|---|
| Class work | 80.0% |
| Final Exam | 20.0% |
| Total | 100.0% |

## Foundations of Mathematics and Pre-Calculus 10 COURSE TIME-LINE

| *Month* | *Topics* |
|---|---|
| August | Real Number System. <br><br> Operations with Powers with Integral Exponents. <br><br> Prime Factorization. |
| September | Functions and Relations. <br><br> Linear Functions: Slope, Equations of Lines. <br><br> System of Linear Equations: graphing, elimination, substitution. |
| October | Systems of Linear Equations continued. <br><br> Linear Inequalities in One Variable. <br><br> Arithmetic Sequence and Series. |
| November | Review of Polynomials. <br><br> Operations with Polynomials. <br><br> Factoring of polynomials. |
| December | Primary Trigonometric Ratios |
| January | Financial Literacy: gross and net pay. <br><br> Review and Final Exam. |

> The Final Exam will be during the scheduled PCSS exam week. It is the student's responsibility to be familiar with the published exam schedule.

**RESOURCES:**

Textbook – Mathematics 10 (McAskill et al.)

Worksheets and handouts

Math websites, magazine and newspaper articles when applicable.

**Desmos for graphing** (Free online graphing tool)

GENERAL EXPECTATIONS:

Students are expected to show respect for their classmates by arriving to class prepared and on time. Cell-phones, laptops, i-pods, i-pads and other electronic devices are not to be used by students while in class unless required for graphing or research.

This information sheet is to inform students and parents/guardians of the expectations for this course. Please sign and return. Thank you.

Student Name: _____ Student Signature:_____

Parent/Guardian Signature: _____ Date: _____

**Dear parents and guardians, is there anything you would like me to know about your child?**

- What is math?

- What is calculus?

- What is math good for?

- What is calculus good for?

- What is problem-solving?

- What strategies do you use to solve problems?

**Please fill in:**

1. I am good at

2. At school, I am good at

3. In math, I am good at

4. I am most interested in

5. I usually have difficulty with

6. I would appreciate help with

7. I am _____ at note-taking.

8. I am _____at reading assigned passages from a textbook, and extracting important information.

9. I am _____ at copying notes from the board.

**Please circle the expression(s) that most appropriately describes your attitude towards this course.**

I find math interesting but difficult.

I am taking FMPC 10just because I did not want to take any other course and I needed the math credit.

I am curious to see if I like FMP C10

I am taking this course because I was told to do so.

I could not care less about FMPC 10 or any other course.

I love math, it is my favourite subject. I am sure I will love FMPC 10 too.

Math is AWESOME :)



FIELDS ARRANGED BY PURITY

MORE PURE →

SOCIOLOGY IS JUST APPLIED PSYCHOLOGY

PSYCHOLOGY IS JUST APPLIED BIOLOGY.

BIOLOGY IS JUST APPLIED CHEMISTRY

WHICH IS JUST APPLIED PHYSICS. IT'S NICE TO BE ON TOP.

OH, HEY, I DIDN'T SEE YOU GUYS ALL THE WAY OVER THERE.

SOCIOLOGISTS    PSYCHOLOGISTS    BIOLOGISTS    CHEMISTS    PHYSICISTS    MATHEMATICIANS