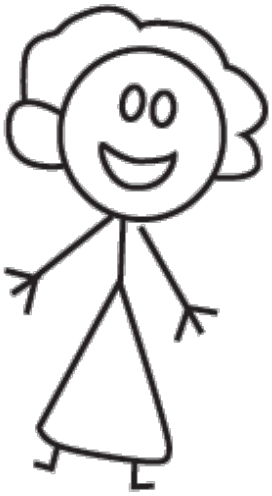
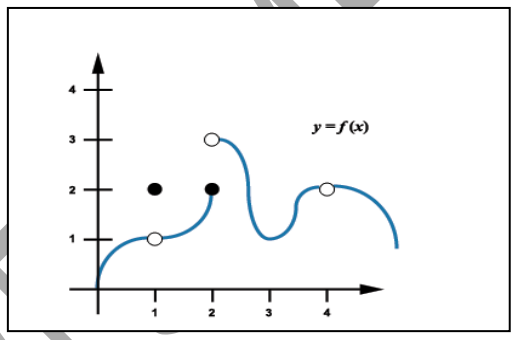
Name: _____



Welcome in **Calculus 12**



Mrs. Ferris

dagmar.ferris@yesnet.yk.ca

Room #145

COURSE DESCRIPTION: Calculus 12 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. Lunch-hour as well as after-school tutoring will be available upon arrangement.

Students are responsible for work missed due to absence. Extra help with missed material will be available after the student has obtained and attempted 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_12_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 and 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 his/her 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 behavior expectations for quizzes and tests are the same as the school's expectations of students for final exams. No phones in sight.

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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 clearly identify all the resources and references they use to complete any given project or assignment.
7. **All mandatory assignments, projects, and movie reflections have to be turned in before or on the published due date. Unless a legitimate reason for an extension to a due date exists, work that is more than 3 days (72 hours) late, will not be accepted.**

   - **Any assignment, project, or a movie reflection turned in before or on the deadline will be provided with feedback which will allow you to make corrections and earn a higher grade. Corrections have to be turned in within 72 hours of the original deadline.**

   - **If you have a legitimate reason for an extension, please communicate this in an e-mail (**dagmar.ferris@yesnet.yk.ca**) prior the published deadline.**

   - **If any one project, or a movie reflection is more than 3 days late, quizzes will be worth 45% of class work mark.**

   - **If any one assignment is more than 3 days late, tests will be worth 55% of the class work mark.**

CALCULATION OF CLASS WORK MARK:

Tests	40 – 65 %
Quizzes	20 – 35 %
Project	up to 15 %
Assignments and classroom participation	up to 25 %
Total	100 %

FINAL MARK – School-based final exam

Class work	80 %
Final Assessment	20 %
Total	100 %

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CALCULUS 12 COURSE TIME-LINE

Month	***Topics***
January	Prerequisites for Calculus, review of functions. History of Calculus
February	Limits and Continuity
March	Differentiation
April	Differentiation and Application.
May	Integration and Application.
June	Review and Final Exam.

- The Final Exam will be during the scheduled PCSS exam week or the last two classes of semester 2. It is the student's responsibility to be familiar with the published exam schedule.

RESOURCES:

Textbook – C**alculus** (*Graphical, Numerical, Algebraic by Finney et al.)*

Worksheets and handouts

Math websites, magazine and newspaper articles when applicable.

Scientific non-graphing calculator – A student may borrow a calculator for the semester against a $20 deposit. Should the $20 deposit not be compatible with the student's family budget, a student, with a written parental consent, can make an agreement about the loan with the teacher.

Desmos for graphing.

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. Exceptions may be made on an individual basis after a conversation with a parent or a guardian.

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: _____

Questions or comments:

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Answer the following:

- 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?

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Name:_____

Please fill in:

1. I am good at _____

_____

_____

2. At school, I am good at

_____

_____

_____

3. In math, I am good at

_____

_____

_____

4. In science, I am good at

_____

_____

_____

5. I am most interested in

_____

_____

_____

6. I usually have difficulty with

_____

7. I would appreciate help with

_____

8. I am _____ at note-taking.

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

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

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

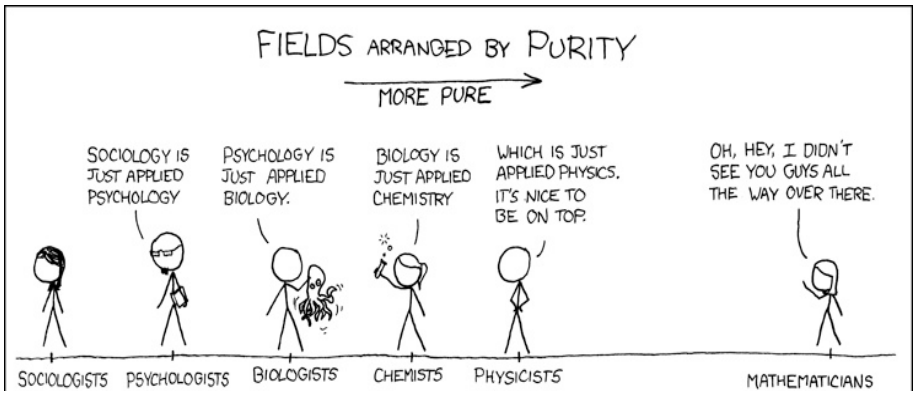
I find math interesting but difficult.

I am taking calculus 12 just because I did not want to take any other course and I needed another credit.

I am curious to see if I like calculus.

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

I could not care less about calculus 12 or any other course.

I love math, it is my favourite subject. I am sure I will love calculus 12 too.

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