



**PATTISON HIGH SCHOOL**

We don't teach a class, we teach individual students in a class

## **Foundations and Pre-Calculus 10**

**Winter Semester 2019**

Ms. Egan  
Room 112    Period 4

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**Course Outline** *Order of topics is subject to change*

Students will explore the following Big Ideas:

- Algebra allows us to generalize relationships through abstract thinking.
- The meanings of, and connections between, each operation extend to powers and polynomials.
- Rate of change is an essential attribute of linear relations.
- Representing and analysing situations allows us to notice relationships.
- Trigonometry involves using proportional reasoning to solve indirect measurement problems.

These Big Ideas will be explored through the following units in our workbook:

- |                                      |  |
|--------------------------------------|--|
| 1. Prime Factorization and Exponents | 6. Functions                           |
| 2. Trigonometry                      | 7. Characteristics of Linear Relations |
| 3. Polynomial Operations             | 8. Equations of Linear Relations       |
| 4. Factoring Polynomial Expressions  | 9. Systems of Linear Equations         |
| 5. Relations                         | 10. Financial Literacy                 |

**Expectations – These expectations adhere to the school's Code of Conduct**

- English ONLY will be accepted in the classroom.
- Arrive on time and wearing full school uniform.
- Have class materials and homework completed.
- Phones should be placed in the box on my desk at the beginning of each class.
- One voice in the classroom.

### **Evaluation Scheme**

5%    Daily Homework  
10%    Participation  
10%    Random Quizzes (will drop two lowest quiz marks)  
25%    Chapter Tests  
25%    Midterm exam  
25%    Final exam

$A = 86-100\%$      $B = 73-85\%$      $C + = 67-72\%$      $C = 60-66\%$      $C - = 50-59\%$      $I = 0-49\%$

## Materials

- iWrite Math – Foundations and Pre-Calculus 10 Mathematics book – **\$45 at front desk**
- Scientific Calculator
- Folder for handouts
- Pens – blue/black and red; pencil & eraser; ruler

## English in the Classroom

It is expected that English *only* be spoken at all times in the classroom. Students need to practise their English oral skills and will be given opportunities in class to practise oral skills with other students. Speaking English in class counts for your Participation grade. Speaking other languages in class will reduce your participation grade.

## Attendance/Lateness

Attendance is vital in order to make progress with course content. It is your responsibility to catch up on content that you missed in class. If you are struggling with the missed material after you have caught up you can visit me for extra help with what you missed. Being absent affects your participation grade, as it means you are not participating in class. Ongoing issues with absenteeism will follow the school attendance policy.

## Homework

Homework will be assigned at the end of every class and you will be given the opportunity in class to review and start the homework. This gives you the opportunity to ask questions about the homework if necessary before you leave the classroom. Homework is due in the next class unless otherwise stated and will be reviewed at the beginning of each class.

## Chapter Tests

Notice will be given before all chapter tests to allow you time to do individual study. Test protocol will be as follows:

- Bags and jackets will be placed at the front of the classroom
- Phones will be placed in a box on my desk
- Anyone caught cheating or attempting to cheat will be given 0 instantly and will be reported for breaching the school's code of conduct. You will not be allowed to retake the test. If this behaviour continues, you will be removed from the class.

## Assessment

Students are assessed formatively through observing daily participation and daily homework as well as random quizzes. Students will have the opportunity to self-assess their own work through the use of criteria for success and marking rubrics. Peer assessment will take place regularly as students collaborate on inquiry learning tasks during class.

## How to do well in this class...

1. Work hard and stay focused in class
2. Participate in class and ask questions if you don't understand something
3. Complete classwork and homework to a high standard

Come and see me for **Extra Help** after school or come along to **Peer Tutoring Club** Tuesdays 3:45