

## INTRODUCTION TO APPLIED AND PRE-CALCULUS MATHEMATICS 20S

Course Code:3000

**Grade 10**

**Teacher:** Mr. Reimer

**Contact Information:** [mreimer@trsd.ca](mailto:mreimer@trsd.ca)

Credit Value: 1 credit

**Alonsa School**

**Semester One**

**Room 9**

Welcome to Introduction to Applied and Pre-Calculus Mathematics 20S! Please read this outline carefully, sign it and hand it back to the teacher.

Required Materials: pencil, eraser, scientific calculator (may not use your phone, ruler, geometry set.

Course Description: Grade 10 Introduction to Applied and Pre-calculus Mathematics (20S) is intended for students considering post-secondary studies that require a math pre-requisite. The topics studied form the foundation for topics to be studied in both Grade 11 Applied Mathematics and Grade 11 Pre-calculus Mathematics.

Components of the curriculum are both context driven and algebraic in nature. Students will engage in experiments and activities that include the use of technology, problem solving, mental mathematics, and theoretical mathematics to promote the development of mathematical skills. These experiences will provide opportunities for students to make connections between symbolic mathematical ideas and the world around us.

Goals for Students:

- Solve problems
- Make connections between mathematics and its applications
- Appreciate and value mathematics
- Communicate and reason mathematically
- Become mathematically literate
- Make informed decisions as contributors to society

To help you obtain the skills and accomplish these goals mentioned, this course has been broken down into the following six units (proposed timeline included):

- **Unit 1:** Measurement (Sept.)
- **Unit 2:** Relations and Functions (Sept. - Oct.)
- **Unit 3:** Line Segments (Oct. – Nov.)
- **Unit 4:** Pre-Calculus (Nov.)
- **Unit 5:** Linear Functions (Dec.)
- **Unit 6:** Trigonometry (Jan.)

Students may be asked to bring materials from home for projects and activities.

Mark Breakdown:

Course Work	70%
Final Assessment	30%

## Class Attendance

It is important for students to attend this class on a regular basis as class discussions may appear on assignment pieces. Should a student have to miss class, he/she has the responsibility to find out from a classmate what was discussed in class and get himself/herself caught up with notes/questions/tests or quizzes.

Students who miss class will be able to find the day's lesson/assignment on Microsoft Teams.

Students who skip 20 classes will not be eligible for a credit. Refer to student handbook.

## Marked Assignments

All assignments that are worth marks will be completed in the classroom under the supervision of the classroom teacher.

## Redo/Challenging Assignments or Tests

Students who do poorly on an assignment or test may come at lunch time (12:05 – 1:00) to redo/challenge an assignment in order to improve their mark. Redoing/challenging assignments must be done within the unit they are currently studying. Students who missed a test or would like to complete a re-test will have one week to do so following the original unit test date. All assignments must be done under the supervision of the classroom teacher. **It is the student's responsibility to make the arrangements with the teacher as to which assessment they wish to redo/challenge.**

## Lunch Hour (12:05-1:00)

Students may also come at lunch time (12:05-1:00), eat lunch, and get extra help on assignments or get caught up on work they have missed.

Students who wish to redo/challenge an assignment or test in order to improve their mark may also do so at this time.

Plagiarized Assignments will receive a mark of zero.

Zero Policy: Once a unit of study has been completed, you may no longer hand in assignments for that unit. Assignments not completed by the end of a unit will receive a mark of zero.

## Students and Parents/Guardians:

Please sign below to indicate that you have read and understand the course outline. If you have any questions or comments, please include them on the space below. If, at any time during the school year, you have questions or concerns, please call the school and leave a message. I will get back to you as soon as possible.

Sincerely,

Mr. Reimer

Student signature: \_\_\_\_\_

Parent/ Parent/Guardian Signature: \_\_\_\_\_