BOARD OF EDUCATION
BURNABY ONLINE
SCHOOL DISTRICT 41

Address:	8580 16th Ave, Burnaby, BC, V3N 1S6	**Website:**	https://online.burnabyschools.ca/
Telephone:	(604) 296-6940	**Information**	online.info@burnabyschools.ca
Fax:	(604) 296-6941	**Registration**	register.online@burnabyschools.ca
Toll Free:	1-888-479-8882		

Course:	Pre-calculus 11	**Course Length:**	10 months
Teacher:	Mr. Francis Tsen		(approx 120 hours)
Email:	francis.tsen@burnabyschools.ca		
Phone:	604 760-1686		

Course Curriculum

The curriculum for this course is build around these Big Ideas

Algebra allows us to **generalize** relationships through abstract thinking.	The meanings of, and **connections** between, each operation extend to powers and polynomials.	Quadratic relationships are prevalent in the world around us.	Trigonometry involves using **proportional reasoning** to solve **indirect measurement** problems.

Students are expected to know the following:
- real number system
- powers with rational exponents
- radical operations and equations
- polynomial factoring
- rational expressions and equations
- quadratic functions and equations
- linear and quadratic inequalities
- trigonometry: non-right triangles and angles in standard position
- financial literacy: compound interest, investments, loans

Mark Weighing

Category	Weighing
Assignments	25%
Projects	10%
Unit Tests	45%
Midterm and Final	20%

Resources
- Textbook not required.
- A graphing calculator is required
-

Course Content
Completion of items in boldface and underlined will activate a student in this course

Units	Formative Assessment	Summative Assessment
1: Powers and Radicals	**1 assignments**	1 Unit Test
2: Factoring Polynomials	1 assignment	1 Unit Test
3: Rational Expressions	1 assignment	1 Unit Test
4: Quadratic Functions	1 assignment	1 Unit Test
Midterm and Project I		
5: Solving Quadratic Equations	1 assignment	1 Unit Test
6: Inequalities	1 assignment	1 Unit Test
7: Trigonometry	1 assignment	1 Unit Test
8: Financial Literacy	1 assignment	1 Unit Test
Final Exam and Project 2		

Students are expected to:

- contact the teacher by instant messaging, email or phone when help is needed or questions arise
- be actively engaged and submitting work on a regular basis
- inform the teacher when they will be inactive for two or more weeks.
- be aware that if they are inactive in a course for four or more weeks they may be removed from that course
- check their email at least twice a week
- create and submit completed solutions for all activities in the unit/chapter before requesting a test.
- cite all sources properly
- answer in their own words
- check that their work and tests have been marked.
- make time available to come in to Burnaby Online to write tests.
- make appointments to write tests at least 2 school days in advance.