

## Mathematics 10C/10C IB (Combined) 2011/2012

**Textbook:** Foundations and Pre - calculus Mathematics 10 by Pearson (electronic format available).

**Objectives:** This course sequence is designed for students who have **successfully completed grade 9**. It is structured on the belief that students are curious, active learners with individual interests, abilities, needs and career goals. As a key component in developing mathematical literacy in students, this course is designed to make connections to individual backgrounds, experiences, goals and aspirations. This course is a prerequisite for either Pre Calculus, Math 20 - 1 and Fundamentals of Math, Math 20 -2.

The choice of either Math 20 -1 or Math 20 – 2 can now be made when students enter grade 11. Students are expected to meet with our Guidance or Career Counsellor to determine which math course is required by a specific faculty or program of study or any occupation based on a student interest inventory. Those students and parents who are wondering about post secondary acceptance of the new math curriculum may want to also check the following:

<http://alis.alberta.ca/ec/ep/aas/ta/mathreq.html>

Other postsecondary information is available on our school web site under the Students and Parents link.

**Units: \*\*As per the Alberta Education Program of Studies for Math (2010) \*\***

<http://education.alberta.ca/media/655889/math10to12.pdf>

1 – Measurement	2 – Trigonometry	3 – Factors and Products
4 – Roots and Powers	5 – Relations and Functions	6 – Linear Functions
7 – Systems of Linear Equations		

### **Evaluation:**

Student Work	10 %	Unit Exams	42%
Quizzes	18%	Final	30%

### **Supplies:**

Notebook      Texas Instrument Graphing Calculator (TI 83/4)      Pens (Blue & Red)      Highlighter  
Binder (min. 1”)      Pencils      White eraser      Whiteout

### **Expectations of Students:**

\***Participation** in all activities is a key component of the revised math curriculum. Students are expected to actively engage and contribute to each activity.

\*Students will need to be **attentive** to classroom instructions, content and deadlines.

\*Students should **ask for help** if there are any questions, concerns, or circumstances the teacher should be aware of.

\*Students can expect at least **20 minutes of homework** daily.

### **Missed Exam Policy:**

- Students who miss a unit exam due to an absence will be expected to attend a noon-hour tutorial (held by Mr. Moratto) and write their exam after school on Thursdays.

Thank you for your co-operation and we look forward to having a terrific semester!!!