



# COURSE DESCRIPTION 2011-2012

COURSE NAME:	<b>Mathematics</b>	LEVEL:	<b>Cycle 2, Year 1</b>
COURSE CODE:	<b>563-306</b>	PERIODS PER CYCLE:	<b>7</b>
TEACHER(S):	E-MAIL ADDRESS:	TUTORING:	
<b>Ms. C. Burtles</b>	<a href="mailto:burtles.c@gaa.qc.ca">burtles.c@gaa.qc.ca</a>	Day 1	
<b>Ms. S. Howard</b>	<a href="mailto:howard.s@gaa.qc.ca">howard.s@gaa.qc.ca</a>	Day 1	
<b>Ms. K. Pannell</b>	<a href="mailto:pannell.k@gaa.qc.ca">pannell.k@gaa.qc.ca</a>	Day 2	

## Subject Area Competencies (C1 and C2):

<b>C1</b>	<b>Solves a Situational Problem:</b> <b><i>a complex task that involves multiple steps and may have numerous solutions</i></b>
30%	<ul style="list-style-type: none"> <li>- The student must be able to identify information from different types of representations such as graphs, tables of value, word problems etc.</li> <li>- The student must be able to represent a situational problem using a graph, table of values, equation etc.</li> <li>- The student should be able to work out a solution using appropriate methods.</li> <li>- The student should be able to check the solution to the problem and justify all steps in the procedure.</li> <li>- The student should be able to clearly explain the solution either in written form or orally.</li> </ul>
<i>Activity Types in this competency: Activities that involve solving situational problems; LES; Complex Problems</i>	
<b>C2</b>	<b>Uses Mathematical Reasoning:</b> <b><i>applies appropriate concepts and processes</i></b>
70%	<ul style="list-style-type: none"> <li>- The student should be able to make connections and relationships between concepts and processes.</li> <li>- The student should be able to select and evaluate the suitability of the process.</li> <li>- The student should be able to choose an appropriate representation and follow a logical sequence of steps.</li> </ul>
<i>Activity Types in this competency: Tests, quizzes, Assignments, LES</i>	

## Please note the following changes in Evaluation:

### **C3 Communicates by Using Mathematical Language**

- The student will be able to understand mathematical vocabulary and symbols.
- The student will be able to interpret and summarize the ideas using mathematical language
- The student will be able to produce a clear and coherent message using appropriate mathematical or everyday language suited to the context.

**\*\*\*\*The student will be provided with feedback on this element, but this feedback will not be considered when determining the student's mark in the report card.**

**Reporting:**

	Overview and Evaluation Summary	Competencies	
		#1	#2
Term 1	<ul style="list-style-type: none"><li>• Review : Fraction</li><li>• Number Theory (Scientific Notation)</li><li>• Pythagorean Theorem</li><li>• Surface Area</li><li>• Volume of Solids</li><li>• Real Numbers</li></ul> *Quizzes, Tests, LES, Assignments	X	X
Term 2	<ul style="list-style-type: none"><li>• Algebra (Exponents, Polynomials, GCF)</li><li>• Inequalities</li><li>• Linear Function</li><li>• Rational Function</li><li>• Properties of Functions</li><li>• Systems of Equations</li></ul> *Quizzes, Tests, LES, Assignments	X	X
	<b>Christmas Exam</b>	X	X
Term 3	<ul style="list-style-type: none"><li>• Similar Solids</li><li>• Statistics</li><li>• Probability</li></ul> *Quizzes, Tests, LES, Assignments	X	X
	<b>June exam</b> * The final mark for the <u>course</u> is composed of 50% of the June exam and 50% of the year's mark.	X	X

**Lunchtime Tutoring:**

\*\*\*Students are requested to bring a bagged lunch on tutoring days to maximize our tutorial session together. Thank you!

Tutoring location: TBA by each teacher

**Please Note:**

- The expectation is for approximately **30** minutes of homework for each one hour of class time.
- Lists of outside tutors are available upon request.
- Please contact appropriate teacher by **e-mail** if there are questions or problems.
- For specific concerns, please contact the Mathematics Department Head, Ms. D. Fry at [fry.d@qaa.qc.ca](mailto:fry.d@qaa.qc.ca)