COURSE DESCRIPTION 2011-2012

COURSE NAME:	Science and Technology	LEVEL:	Cycle 2, Year 1
COURSE CODE:	555 – 306	PERIODS PER CYCLE:	7

TEACHER:	E-MAIL ADDRESS:
Susan Pamboukian	pamboukian.s@qaa.qc.ca

Subject Area Competencies:

1.	**To seek answers or solutions to scientific or technological problems** **To communicate in the languages used in science and technology**
40% Practical	- The student must use the scientific method or the design method to solve problems. Student expertise is expected to increase with each lab performed.
	- The student must identify, and be able to restate in her own words, the questions asked of her in lab situations.
	- The student should be able to write a clear, concise procedure while using scientific vocabulary.
	- The student should be able to carry out the procedure using correct techniques and as well as following all safety rules.
	- The student should be able to form conclusions and inferences from the data collected during the experimental procedure. She should also be able to identify potential sources of error which may have affected the experiment's results.
	- Students will be able to communicate in all forms (oral and written) using appropriate scientific vocabulary and symbols.
	- Students will be able to create data tables and charts accurately.
Activity Types in this competency: - Labs & Dissections	
2.	**To make the most of your knowledge of science and technology** **To communicate in the languages used in science and technology**
60% Theory	- Students should be able to analyze and form opinions on scientific issues.
	- Students should be able to analyze a technical object.
	- Students should be able to apply facts and theories to new situations or to answer questions.
	- Students will be able to communicate in all forms (oral and written) using appropriate scientific vocabulary and symbols.
	- Students will be able to create data tables and charts accurately.
Activity Types in this competency: - Issue analysis (essays, orals, displays, etc...) - Content Based Tests; Essay tests; case studies; etc....	

Weighting of Terms		
Term 1	Term 2	Term 3
20%	20% (including Christmas Exam)	60% (including Final Exam)

The expectation is for 20 - 30 minutes of homework for each one hour of class time.

TUTORING: Lunch time tutorial once per cycle (Day 3 in the Biology Lab)

Topic
• Cell • Cell Division – Mitosis & Meiosis • DNA & Genetic Material • Genetic Diversity • Tissues, Organs, & Systems • Nutrition • The Digestive System • The Respiratory System • The Circulatory System • The Lymphatic System • The Excretory System • The Nervous System • The Senses • The Skin • The Skeletal System • The Muscular System • The Endocrine System • The Reproductive System
FINAL EXAMS: Competency 2 written exam (theory) will take place in June.