



Course:	Science and Technology 444		
Teacher:	H.Ahn	Room :	201
E-mail:	hahn@emsb.qc.ca		
Texts/workbooks:	In class notes and worksheets		
Course description:	Secondary 4 Science		

TERM 1 – 20%		
Topics covered		Competencies targeted
The Material World (properties and characteristics of the periodic table, organization and structure of matter, changes of matter, energy, balancing chemical equations, properties of solutions such as concentration, conductivity, ions.)		<u>Practical:</u> -Seeks answers and solutions in scientific or technological problems. -Communicates in the languages used in science and technology. <u>Theoretical:</u> -Makes the most of his/her knowledge of science and technology. -Communicates in the languages used in science and technology.
Evaluation methods	Mark breakdown	Timeline
Tests, Quizzes, Laboratories	<u>Theory Component-</u> Tests (60%) Quizzes/Assignments (40%) <u>Laboratory Component-</u> Labs and reports (100%)	1-3 quizzes, tests and lab reports per term

TERM 2 – 20%		
Topics covered		Competencies targeted
The Material World (electromagnetism, electricity and laws) Earth and Space (characteristics of the earth, biogeochemical cycles, climate zones, biomes)		<u>Practical:</u> -Seeks answers and solutions in scientific or technological problems. -Communicates in the languages used in science and technology. <u>Theoretical:</u> -Makes the most of his/her knowledge of science and technology. -Communicates in the languages used in science and technology.
Evaluation methods	Mark breakdown	Timeline
Tests, Quizzes, Laboratories	<u>Theory Component-</u> Tests (48%) Quizzes/Assignments (32%) Midterm (20%) <u>Laboratory Component-</u> Labs and reports (100%)	1-3 quizzes, tests and lab reports per term

TERM 3 – 60%	
Topics covered	Competencies targeted
The Technological World (motion transmission and motion transformation systems, links, guiding controls, power supply, constraints, properties of materials)	<u>Practical:</u> -Seeks answers and solutions in scientific or technological problems. -Communicates in the languages used in science and technology.

		<u>Theoretical:</u> -Makes the most of his/her knowledge of science and technology. -Communicates in the languages used in science and technology.
Evaluation methods	Mark breakdown	Timeline
Tests, Quizzes, Laboratories	<u>Theory Component-</u> Tests (60%) Quizzes/Assignments (40%) <u>Laboratory Component-</u> Labs and reports (100%)	1-3 quizzes, tests and lab reports per term

Online platform:	Google Classroom
Materials required for the course:	
Binder, copybook, pencils, eraser, calculator, ruler (highlighters and colored pens are not obligatory, but can be used as an extra tool)	

Communication with parents/guardians:	Progress report/Report card schedule:
Email/progress reports/report cards	Progress report: October 2025 Report cards: November 2025 February 2026 July 2026

Remediation schedule:

TBD

Final results:

Term 1	+	Term 2	+	Term 3	=	School mark	End-of-year exam mark
20%		20%		60%		100%	100%

50%	+	50%
= 100% Year Mark		

*Moderation affects Year Mark