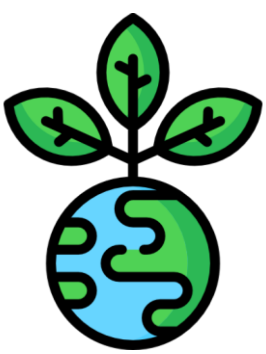
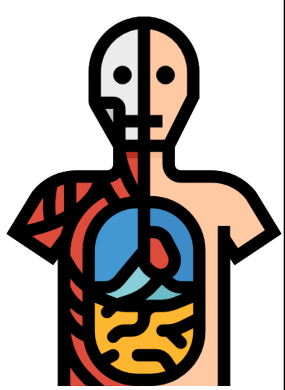
SCIENCE AND TECHNOLOGY

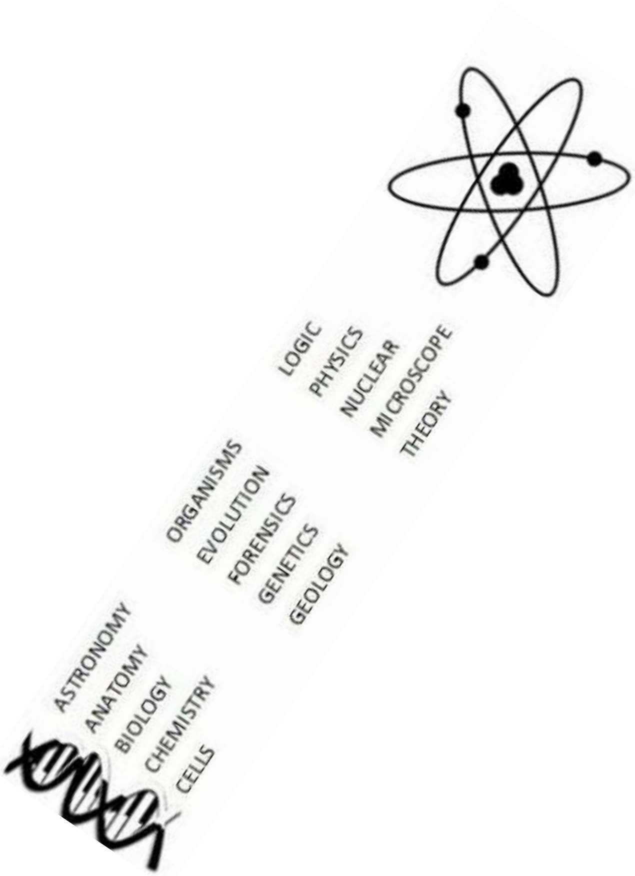
"With inquiry at the core, the MYP science framework aims to guide students to independently and collaboratively investigate issues through research, observation, and experimentation. The MYP sciences curriculum must explore connections between science and everyday life. As they investigate real examples of science applications, students will discovers the tensions and dependencies between science and morality, ethics, culture, economics, politics, and the environment." - MYP Sciences Guide

Level	Secondary 1	Secondary 2	Secondary 3	Secondary 4	Secondary 5
Sample Course Units	Students learn to investigate questions using the scientific method through hands on activities and labs. We explore topics such as mixtures, acids and bases, flight, and ecology. 	This course begins with an investigation into the nature of science. We then dive into learning about the Earth-Sun system and the world of water before exploring Rube-Goldberg machines and food science. We end the year with a unit on "The Martian". 	The focus of this course is an exploration of the human body, starting with the nature of life and looking at various body systems such as the digestive system, the cardiovascular system, the nervous system, and the reproductive system. 	<u>ST</u> Topics include "A Matter of Great Human Ingenuity", characteristics of solutions, electricity, energy resources and alternatives, engineering, etc. ***Ministry Course – must be passed to obtain a diploma** <u>EST</u> A deeper look into environmental chemistry, radioactivity/nuclear stability, energy and work. ***includes all topics in ST.** ***pre-requisite for physics and chemistry (sec. 5)**	<u>Physics</u> Optics, kinematics, dyanmics, energy transformation ***pre-requisite for some CEGEP programs** <u>Chemistry</u> Stoichiometry, gas laws, thermochemistry, reaction rates, equilibrium ***pre-requisite for some CEGEP programs** <u>Biology</u> Units include brain and behaviour, forensics, evolution, astrobiology, etc. ***elective course**

*Special projects for our department include a science fair in secondary 1 and an interdisciplinary knowledge fair in secondary 2.

MYP Assessment for IB Report Card (issued in June)	MELS Assessment for School Report Card (issued in June)
Criterion A: Knowing and Understanding Criterion D: Reflecting on the Impacts of Science	Theory Grade (Tests, quizzes, assignments)
Criterion B: Inquiring and Designing Criterion C: Processing and Evaluating	Practical Grade (Laboratory skills and experimental design)

WORD SEARCH!



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G	Q	Y	D	P	M	S	N	S	L	V	E	C	P	G	J	L
A	S	C	C	K	Q	I	K	N	Y	T	X	A	F	E	R	M
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