

MYP Design Year 3: Course Outline

NAME:
F. Lamberto

PHONE:
(514) 766-2357

EMAIL:
flamberto@lbpearson.ca

CLASS LOCATION:
A313

TUTORIALS:
Recess

BEURLING WEBSITE: Day 3 and 4: Lunch
beurling.lbpsb.qc.ca

DESIGN OVERVIEW

The theme of the Secondary 3 Science & Technology program is the environment. Students will investigate concepts from the technological world in order to gain a better understanding of scientific phenomena, technological achievements and issues related to such topics as climate change, the energy challenge, and drinking water, and deforestation.

THIS COURSE IS A COMPULSORY REQUIREMENT FOR IBMYP CERTIFICATION.

EVALUATION:

MELS Subject-specific competencies:

- | | |
|---|-----|
| 1. Seeks answers or solutions to scientific or technological problems/
Communicates in appropriate language for science and technology | 40% |
| 2. Makes the most of his/her knowledge of science and technology/
Communicates in appropriate language for science and technology | 60% |

MYP Subject-specific Assessment Criteria:

- | | |
|---------------------------------------|------------|
| 1. Criterion A: Inquiring & Analyzing | Maximum: 8 |
| 2. Criterion B: Developing Ideas | Maximum: 8 |
| 3. Criterion C: Creating the Solution | Maximum: 8 |
| 4. Criterion D: Evaluating | Maximum: 8 |

This course will make the necessary links to the *Approaches to Learning* skills, as well as the *IB Learner Profile* traits and the *Global Contexts*.

ACTIVITIES & ASSESSMENT:

Students will be evaluated through a variety of assessment tools: tests, projects, assignments, workbook materials, laboratory work, and quizzes

TEXTBOOKS(S) & WORKBOOK(S):

Cyr, Marie-Danielle, Dominique Forget, and Jean-Sebastien Verreault. *OBSERVATORY: The Human Organism (Student Textbook)*. ERPI Inc, St-Laurent, 2009.

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HOMEWORK & EVALUATION POLICY:

Approximately 20 -25 minutes of homework will be assigned most nights. The amount of time needed to complete assigned work will vary depending upon topic taught and individual student ability.

Any student requiring additional help is encouraged to meet with me at any of the following times:

Tutorials

1. recess
2. lunchtime : Day 3 and 4

Students are expected to have all class tests signed by the day after the test is returned.

COURSE CONTENT

	TERM 1	TERM 1&2	TERM 2&3	TERM 3
Theme	MYP Technology: An Introduction	A Picture Says a Thousand Words	It's All Nuts (& Bolts) To Me!	It's All in the Genes!
Topic	Technology Foundations	The Development of Technology and Obesity essay	Mechanical Engineering	Biotechnology
Focus	Intro to the three main branches of IBO Technology: Intro to the Design Cycle	Technical Drafting & Product Creation	Product Creation	Biotechnology in the agro-food & medical industries.
Guiding Question	What skills are required in the IBO Technology course?	How can I create organization for a specific area of my life?	How can I use Technology to develop a product of appropriate quality?	How can we use various technologies to make organisms do what we need or want?
Main Activity	N/A	<i>Whatever Floats Your Boat!</i>	<i>Career Choice Project and Binder</i>	<i>iTeach</i>