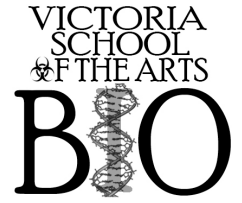


VICTORIA SCHOOL
Biology 30
Course Outline
Semester 2, 2010



Course Overview:

Biology 30 is a challenging academic science course which will enable students to develop a solid understanding of fundamental biological concepts. Students will be educated about the nature of science and technology and the tremendous impact of biology and associated technology on society. The major science themes developed in this course are change, diversity, equilibrium, and systems.

Emphasis is not only placed on the knowledge acquired during the course but also on the acquisition of problem solving skills and laboratory skills. The course will present the student with a wide variety of experiences which the student will use to further enhance their background in biology, and enable them to continue their study of biology at the university level.

A final mark is determined through a combination of the school-based mark and mark obtained on the diploma examination. The diploma exam is a challenging exam developed by Alberta Education and will be administered on June 19, 2009.

Course Organization:

Biology 30 consists of four units of study which will be presented in the following sequence:

- Systems Regulating Change in Human Organisms (Endocrine and Nervous Systems)
- Cell Division and the Central Dogma
- Reproduction and Development
- Cell, Chromosomes and DNA (Molecular and Mendelian Genetics)
- Change in Populations and Communities

Materials Required:

- 3 - Ring binder
- Lined loose leaf paper, blank paper and graph paper
- Pencils and pens
- Pencil Crayons
- High-lighter (3 different colours)
- Calculator
- Whiteout

School Based Mark Distribution:

Classwork - quizzes / assignments / labs	55%
Unit Exams	45%
<u>In Class Final Exam</u>	<i>(formative)</i>
	100%

Note: The final mark is determined using 50% of the school based mark and 50% of the diploma exam mark.

Tentative Dates

Nervous System	February 23 rd
Endocrine System	March 8 th
Genetics Part A	April 15 th
Reproduction and Development	may 7 th
Genetics Part B	May 26 th
Populations	June 14 th
In Class Final Exam	June 16 th
Field Test	T.B.A
Alberta Education Diploma Exam	June 22 nd

Important

All students will be required to write each exam on the date indicated. If a student misses an exam without a valid reason, such as an in-school field trip or severe illness, that student will receive a zero for that exam mark. In the event of a student being legitimately absent for an exam, the exam may be written the next day. However after this time, the mark will be omitted from the student's grade though exam weightings may be adjusted at the teacher's discretion.

All calculators are to be cleared by students (or teacher) prior to, and after, exams. Students must not have access to any other electronic device such as ipods, MP3 players, cell phones, etc. during exams. Accessing electronics will be interpreted as an attempt to cheat.

Communication

Notes, homework and general class news is periodically emailed home. It is mandatory that all students provide an email address to receive electronic correspondence. Parents and guardians are encouraged to also provide their email address to stay informed about the Biology 30 schedule.

Please email: *biology.with.cooper@gmail.com*

- In the subject line please type the name of the student and period in which they have biology class.

If you have any concerns throughout the year please feel free to email me at:

jon.paul.cooper@epsb.ca

Sincerely,

Jon Paul Cooper
Victoria School of the Arts