



HANDSWORTH BIOLOGY 12 COURSE OUTLINE

The Biology 12 Program focuses on HUMAN BIOLOGY, allowing students to develop an interest in and an understanding of science by looking at themselves and seeing how the diverse body systems are integrated to maintain homeostasis. The learning outcomes follow a sequence from cell structure and simple, biochemical processes to the organ systems themselves. The learning outcomes are categorized under three curriculum organizers; cell biology, cell processes/applications and human biology.

A) COURSE OUTLINE AND INSTRUCTIONAL OBJECTIVES:

UNIT 1 CELL BIOLOGY

Cell structure
Cell compounds
Biological Molecules
DNA

UNIT 2 CELL PROCESSES

Protein synthesis
* Cancer
Transport across Cell Membrane
Enzymes

UNIT 3 HUMAN BIOLOGY

Digestive System
Circulation and Blood
Heart structure and function
Respiratory System
Neuron, Impulse generation and reflex arc
Divisions of Nervous System and the Brain
Urinary System
Reproductive System

PROCESSES AND APPLICATIONS

Collect, display and interpret data
Devise an experiment using the Scientific Method
Demonstrate the correct use of the compound microscope
Demonstrate the correct use of the dissecting microscope
Demonstrate safe and correct dissection techniques

B) EVALUATION GUIDE:

Term Work:	Class work, Labs, Assignments:	30%
	Tests, Quizzes, Major Assignments	70%
	TOTAL (for 3 terms)	80%
Final Exam:	(Written the last two days of classes)	<u>20%</u>
	TOTAL (school mark)	100%

C) EXPECTATIONS (WORK/BEHAVIOUR)

1. It is expected that you will come to class prepared and **ON TIME!**
2. All absences must be excused (parents can email Mrs ChandlerSabti at mchandler@nvsd44.bc.ca or call the school if you are going to miss a class)
3. All missed work must be done. If you are absent the day an assignment is due, you will submit it when you return to school.
4. If you miss a test, you will write a make-up test on a Friday morning; make sure to make yourself available.
5. Choose a "study buddy" within the class. Exchange your contact information and contact them when you are away so that you can keep up with missed work. You may also email Mrs ChandlerSabti to find out what you missed.
6. Assignments should be submitted on the due date. Late assignments will be penalized 20% per day until the marked versions are returned. If an assignment has not been submitted by the time the marked versions are returned, they **will not** be accepted for marking. This means a "zero" for that assignment
7. It is expected that students will act in a considerate manner to each other; which means, listening when others are talking, respecting the points of view of others and **NOT** making demeaning or racist comments to or about anyone else.

D) ELECTRONIC DEVICES

CELL PHONE use, whether for talking, listening to music or texting, is **NOT ALLOWED** under any circumstances. If you bring a cell phone to class, make sure that it is **TURNED OFF!** Students caught using cell phones during class will have them **CONFISCATED**. Phones will be locked up in the classroom until a parent has been contacted.

IPOD use may, at times, be allowed; when students are working on seat work that does not require instruction. When communication between teacher/student or student/student (such as during instruction, labs or group work) is required listening to an IPOD is not allowed and will result in the same consequences as using a cell phone in class.

Both you and your parent must sign below to acknowledge that you are aware of, and accept the course outline. I would also like both you and your parents' email so I am able to contact you or them, if needed.

Student Signature

Parent Signature

Student Email

Parent Email