



HANDSWORTH BIOLOGY 11 COURSE OUTLINE

Welcome to Biology 11!

You are about to embark on a fascinating journey of discovery about life.

What exactly is life? Where did living things come from?

Are you anything like an earthworm? Or bacteria?

By the end of this course, you will have a strong understanding of what Biology is, and how you fit into the big picture of LIFE....

A) COURSE OUTLINE AND INSTRUCTIONAL OBJECTIVES:

PROCESSES AND APPLICATIONS

- Collect, display and interpret data
- Demonstrate an understanding of 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

ADAPTATION AND EVOLUTION

- Protein Synthesis
- Theory of Evolution
- Natural Selection
- Taxonomy

ECOLOGY

- Roles of Photosynthesis and Cellular Respiration
- Relationships within an Ecosystem

MICROBIOLOGY

- Viruses
- Kingdom Monera
- Kingdom Protista

PLANT BIOLOGY

- Algae, Mosses, Ferns
- Gymnosperms
- Angiosperms

ANIMAL BIOLOGY

- This course focuses on invertebrate phyla, from sponges to echinoderms and vertebrates, fish, reptiles, amphibians, birds, and mammals

B) EVALUATION GUIDE:

Term Work:	Class work, Labs, Dissections, Assignments:	30%
	Tests, Quizzes	70%
	TOTAL (for 3 terms)	80%
Final Exam:		<u>20%</u>
	TOTAL	100%

C) EXPECTATIONS (WORK/BEHAVIOUR)

- 1) It is expected that you will come to all classes prepared and on time.
- 2) All absences must be excused. Parents should call the school office (604-903-3600) on or before the day of your absence.
- 3) All missed work must be made up.
 - a) If you are absent the day an assignment is due, please submit it promptly.
 - b) If you miss a test, you must promptly make arrangements with your teacher.
 - c) Choose a "study buddy" in your class. Exchange your contact information and contact them when you are away so that you can keep up with any missed work.
- 4) Assignments should be submitted on the due date. Late assignments will be penalized until the marked versions are returned. After that point, assignments will not be accepted.
- 5) It is expected that students will act in a respectful manner at all times; for example, listening when others are speaking, respecting the points of view of others, and refraining from making demeaning or racist comments to or about anyone else.
- 6) Cheating is unacceptable and may result in a mark of zero and disciplinary action. Please consult the Code of Student Conduct if you require more information (agenda book).
- 7) Students are expected to take responsibility for their own learning. If you feel yourself becoming confused or falling behind, please seek out assistance right away. You know where to find me, or contact me by email (nnelson@sd44.ca).

8) ELECTRONIC DEVICES

Please use common sense and good manners regarding the use of electronic devices in the classroom. Any cell phone or other electronic device used inappropriately in class will be confiscated; you may collect it after school at the teacher's discretion. Only calculators may be used for tests.

Please sign and have a parent sign below to acknowledge that you are aware of and accept the course outline, evaluation guide and expectations. Please also include both your own and parent(s) Email address (or phone number) so I am able to contact you or them as needed.

Student Name (print clearly)

Student Signature

Student Email (print clearly)

Parent Signature

Parent Email (print clearly)

Alternate Parent Email, if necessary
(print clearly)