

Welcome to Biology 11!

Biology 11 is a lab-oriented course that provides the opportunity to develop an awareness, appreciation and understanding of the living world with an emphasis on the levels of organization in the biology, adaptation and evolution, taxonomy, ecology, microbiology and plant and animal biology. Laboratory principles and techniques are major components of this course and are directly related to the learning outcomes (see reverse side).

Assessment and Evaluation

Classroom Assessment	40%
Quizzes and Tests	30%
Final Exam	30%
Course Total	100%

Classroom Assessment: will include labs and assignments as well as classroom and lab participation.

Quizzes and Tests: quizzes may be planned or unannounced and function as a learning opportunity for students to check their understanding. Tests are formative evidence of students' learning and are given approximately every 2 weeks.

Final Exam: This is a summative final examination of student learning and is scheduled during the exam period at the end of the semester.

Resources:

A textbook will be provided as an in-class resource. Short-term sign out options need to be discussed with me. Other valuable resources:

1. **Course website** – <http://claremont.sd63.bc.ca> class notes, animations and other student resources can be found on our course website and can be accessed from school or home.
2. **Remind101** – to receive messages via text, text @bio11paas to (778) 654-5571 OR to receive messages via email, send an email to bio11paas@mail.remind.com

Expectations

Respect everyone and everything in this school.

You are here to learn. Effort and hard work is required

You are expected to do your **own** work

You may not interfere with anyone else's right follow the above expectations.

Attendance: You are responsible for all work covered in class. All absence are to be verified by your parent(s)/guardian(s).

If you know you will miss a test please see me to discuss any options that are available to you **before** the date of the missed test. Writing of missed tests will be done outside of class time and you must make arrangements with me **ahead of time**. If you miss an assignment you will need to come and see me about an alternate assignment (if one is available).

Tardiness: It is crucial that you arrive to class on time...*period*. If you are late, please knock once and then wait to be let in at a time that doesn't interrupt the learning of others.

Absences and tardiness that are not verified will result in a mark of zero on material covered during that time. The learning outcome(s) missed will be assessed on the Final Exam.

Technology: Using cell phones and other electronics in the classroom is a privilege. If you choose to bring them to class, use them responsibly or risk losing them.

Prescribed Learning Outcomes: Biology 11

It is expected that students will:

PROCESSES OF SCIENCE

- A1 demonstrate safe and correct technique for a variety of laboratory procedures
- A2 design an experiment using the scientific method
- A3 interpret data from a variety of text and visual sources

TAXONOMY

- B1 apply the Kingdom system of classification to study the diversity of organisms

EVOLUTION

- C1 describe the process of evolution

ECOLOGY

- D1 analyse the functional inter-relationships of organisms within an ecosystem

MICROBIOLOGY

Viruses

- E1 evaluate the evidence used to classify viruses as living or non-living
- E2 evaluate the effects of viruses on human health

Kingdom Monera

- E3 analyse monerans as a lifeform at the prokaryotic level of organization
- E4 evaluate the effectiveness of various antibiotics, disinfectants, or antiseptics on bacterial cultures

PLANT BIOLOGY

- F1 analyse how the increasing complexity of algae, mosses, and ferns represent an evolutionary continuum of adaptation to a land environment
- F2 analyse how the increasing complexity of gymnosperms and angiosperms contribute to survival in a land environment

ANIMAL BIOLOGY

- G1 analyse how the increasing complexity of animal phyla represents an evolutionary continuum
- G2 analyse the increasing complexity of the Phylum Porifera and the Phylum Cnidaria
- G3 analyse the increasing complexity of the Phylum Platyhelminthes, the Phylum Nematoda, and the Phylum Annelida
- G4 analyse the increasing complexity of the Phylum Mollusca, the Phylum Echinodermata, and the Phylum Arthropoda
- G5 relate the complexity of the form and function of vertebrates to the evolutionary continuum of animals

For a more details on the learning outcomes of this course, please refer to the Ministry documents (<http://www.bced.gov.bc.ca/irp/pdfs/sciences/2006biology1112.pdf>).

Progress reports are emailed often. **Please ensure your teacher has the correct email address for you and your parents/guardian.**

By signing below you indicate that you have read the Biology 11 course outline.
Please sign, detach, and return to the teacher

Parent Name: _____ (please print)

Parent/Guardian Signature: _____ Date: _____

Parent email(s): _____

Student Name: _____ (please print)

Student email: _____

Student Signature: _____ Date: _____