

Biology 12



- Teacher** – Trevor Gallant
Email – trevor.gallant@nbed.nb.ca
Website – thelessonlocker.com/kvhs/biology/biology.html
Room – 246
Extra Help – Weekday mornings from 8:00 to 8:40

Assessment Plan

- Assignments** – 35% (20% Biology 121)
Quizzes – 0% (25% Biology 121)
Tests – 35% (25% Biology 121)
Final Exam – 30%

Course Description

A previous introductory biology course (Biology 111/2) should have been completed successfully. Additional science courses, especially Chemistry 112, are good background for Biology 121/2. Concepts to be discussed include genetic continuity, evolution, change and diversity and maintaining dynamic equilibrium part 2.

Course Outline

Unit 1 – Macromolecules

- Carbohydrates
- Lipids
- Proteins
- Nucleic acids

Unit 2 – Energy Use, Storage, and Transformation

- Enzymes and Their Regulation
- Cellular Respiration
- Photosynthesis

Unit 3 – DNA and Protein Synthesis

- Structure and Replication of DNA
- Protein Synthesis

Late Assignments

Students cannot turn in assignments which are formative in nature once a summative assessment has been collected. Special circumstances must be discussed in person between the teacher and student.

Students must complete all major assessment components in each of their five courses and be passing all courses in order to request an exam exemption.

Unit 4 – Cell Reproduction

- Mitosis
- Meiosis

Unit 5 – Genetics and Heredity

- Mendelian Genetics
- Chromosomal Inheritance and Sex-Linkage

Unit 6 – Animal Form and Function

- Reproductive System
- Nervous System
- Immune System

General Classroom Procedures


Assignments

- All assignments **MUST** be typed.
- Students should refer to the “Goal System” regarding assignments (http://thelessonlocker.com/kvhs/biology/Goal_System.pdf)
- Students may complete most assignments with a partner.
- Assignments are to be handed in at the **beginning** of class on the day they are due. If it is not possible to submit an assignment in person by the due date, it can be emailed to me.
- Students who are absent the day an assignment is due must pass it in on the first day they return.
- Assignments that are not passed in on the due date OR are not passed in at the beginning of class are considered to be late unless arrangements have been made beforehand.
- Assignments that are not submitted or not completed will not be assessed. Rather, the value of that assignment will be added to the weighting of the Test category to allow an authentic assessment of the student.

Tests

- Tests will be written by all students on the day decided by the class. There are no make-up tests. Students who think they might need extra time to complete tests can begin at 8 am and can continue after school.
- All tests will consist of a multiple choice section which students will complete individually, and a long response section which may be written in a group of up to three students. All parts of all tests are open book.
- If a student misses a test, s/he must bring a written excuse on the day s/he returns to school. There is no consequence for missing the test – a mark of “Omit” will be recorded.
- A student may miss only one test. If a second test is missed a mark of zero will be recorded.
- If a student needs to miss a test for some reason (a school event, compassionate circumstances, *etc.*), s/he must see me **BEFORE** the test is scheduled to be written so that alternate arrangements can be made.

- If a student writes every test, s/he can drop the worst score at the end of the semester.



Quizzes

- Quizzes are formative in nature and, as such, will not be included in the calculation of a student's grade. The quizzes do, however, provide a great way to check your understanding. (**Note:** See Assessment Plan above for the value of quizzes in Biology 121.)
- We will have a quiz every Tuesday and Thursday (with occasional exceptions). The quiz will always cover everything we've learned since the previous quiz so you should try to review your notes for a few minutes each day.
- Quizzes are always based on material in the online notes. For this reason, students will be required to write a quiz even if they were absent the day the material was presented. Exceptions to this can be made on an individual basis for extended absences.