

## Biology 11 Enriched (Pre-AP) Course Outline – 10/11

*‘The capacity to blunder slightly is the real marvel of DNA. Without this special attribute, we would still be anaerobic bacteria and there would be no music.’ ~Lewis Thomas*

**Content:** Biology 11 Enriched is a comprehensive, content heavy course that will introduce students to a wide variety of disciplines within the realm of Biology. The enrichment will come in our ability to explore topics deeper than otherwise would be possible. The main topics that will be presented are:

- Evolution
- The Cell
- Taxonomy / Nomenclature
- Genetics / Ethics in Science
- Microbiology
  - Viruses
  - Kingdom Monera: Bacteria
  - Kingdom Protista: Protists
- Mycology
  - Kingdom Fungi
- Plant Biology
  - Kingdom Plantae
- Animal Biology
  - Kingdom Animalia
    - Invertebrates
    - Chordates
- Ecology

These topics will be covered through a combination of direct and indirect instruction. Due to time limitations we will not be able to explore all the topics listed. Your interest and input into each topic will determine the length of time we spend on it.

Daily reading and review will be essential to ensure success in this course. Projects, labs, quizzes and tests will comprise the bulk of the marks collected.

Note-taking will be a normal occurrence. You have been warned.

**Expectations:** A willingness to learn!! This requires you to be punctual and prepared each class. In addition to basic school supplies you will be required to have a red ink pen and plain unlined paper for this course.

Students who arrive to class late must sign in the late book upon arrival or risk being marked absent for that class. It is the responsibility of each student to makeup any missed work resulting from a late or absence. Missed tests and quizzes will be made-up at the discretion of Mr. Mirani.

Preserved animal dissections will comprise a significant portion of the Invertebrate section of this course. Students not willing to take part in the actual dissection of the specimen will be required to work along side their lab partners and complete the required work to the best of their ability.

**Website:** A class website exists at [www.mirani.ca](http://www.mirani.ca). Content from the course along with updates on upcoming assignments and tests will be posted. My e-mail address is [amirani@vsb.bc.ca](mailto:amirani@vsb.bc.ca).

**Marks:** 100% from work collected during each term. A final exam worth 15% of the year’s mark will be written in June 2011.

**Office Hours:** I am available Mon to Wed from 7:30 am to 8:30 am for additional help or to make up missed tests or labs.