

Biology 12 Course Outline – 10/11

“I like to define biology as the history of the earth and all its life – past, present, and future.” ~Rachel Carson

Content: Biology 12 is an extremely comprehensive, content heavy course that will reintroduce students to concepts covered in junior science, but in greater detail along with a host of new, unexplored concepts. The main topics that will be presented are:

- Biological Molecules
 - DNA & Protein Synthesis
 - Recombinant DNA
 - The Cell
 - Cell Membrane & Transport
 - Enzyems
 - Human Organization
 - Digestion
 - Circulation & Blood
 - Respiration
 - Nervous System
 - Reproduction
 - Excretion
 - Experimental Design
- These topics will be covered through a combination of direct and indirect instruction (ie. Alternating between teacher centered and student centered).
- 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.

Website: A class website exists at 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.

Marks: 100% Tests / Quizzes / Lab / Homework / Projects . An optional provincial exam worth 40% of the year’s mark may be written at the end of the school year. A mandatory final exam worth 20% will be administered 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.