



Biology 3201 Course Description

Biology 3201 is an academic Pan-Canadian science course that aims to develop scientific literacy. Scientific literacy is an evolving combination of the science related attitudes, skills, and knowledge students need to develop inquiry, problem-solving, and decision-making abilities; to become lifelong learners; and to maintain a sense of wonder about the world around them.

Biology 3201 is composed of four units that contain core labs and core STSE sections (Science, Technology, Society, and the Environment). All schools are expected to complete these core areas and adhere to the sequence of units outlined below.

Unit 1: Maintaining Dynamic Equilibrium II (20%)

Core Lab 1: *The Nervous System & Reflex Responses*

Core STSE 1: *Drugs and Homeostasis*

Core Lab 2: *Identifying Diabetes Mellitus*

Unit 2: Reproduction & Development (27%)

Core Lab 3: *Observing the Cell Cycle in Plant & Animal Cells*

Core STSE 2: *Stem Cell Research*

Core Lab 4: *Reproductive Structures in Flowers*

Core Lab 5: *The Menstrual Cycle*

Unit 3: Genetic Continuity (38%)

Core Lab 6: *Karyotype Lab*

Core Lab 7A: *DNA Structure and Replication*

Core Lab 7B: *Simulating Protein Synthesis*

Core STSE 3: *Genetics Research in Newfoundland & Labrador*

Unit 4: Evolution, Change, & Diversity (15%)

Core Lab 8: *Population Genetics & the Hardy-Weinberg Principle*

Core STSE 4: *Extraterrestrial Life: Myth or Reality*

Assessment:

Assessment in this course is governed by the *Assessment and Evaluation Policy* of the Eastern School District. This policy is located at http://www.esdnl.ca/about/policies/esd/I_IL.pdf. The regulations are located at http://www.esdnl.ca/about/policies/esd/regulations/I_IL_1L.pdf.

Evaluation Plan for Biology 3201:

Tests/Quizzes	20%
Performance Assessment	15%
Midyear Examination	15%
Public Examination	50%