

New Westminster Online Learning School

Life Science 11:

Course Description

Life Science 11 is the study of life and life processes and explains how all organisms on Earth are related, grouped, classified and how they have evolved over time. The online version of this course affords students the ability to work independently at the pace that best suits them while requiring careful time management and developing communication and thinking skills.

Course Expectation

Students are expected to complete the first unit within 2 weeks of enrolling, to log in and make progress each week, and to finish the course within 5-months. They are expected to be in communication with their teacher when they have questions and if they need additional time. Students are expected to submit their own work.

Enduring Understanding/Big Ideas

Students will focus on:

- Life is a result of interactions at the molecular and cellular levels.
- Evolution occurs at the population level.
- Organisms are grouped based on common characteristics.

Specific Learning Outcomes: Curriculum details can be found at: <https://curriculum.gov.bc.ca/curriculum/science/11/life-sciences>

Course Content

Unit 1	Introduction
Unit 2	Cells
Unit 3	Viruses
Unit 4	Evolution
Unit 5	Taxonomy
Unit 6	Plants
Unit 7	Simple Organisms
Unit 8	Advanced Organisms

Student Learning Activities and Strategies

All materials, lessons, assignments, and assessments are online and use a combination of text, short videos, interactive animations, links to websites, and practice questions and exercises to help students understand the concepts.

Assessment

The final mark is based on completion of learning guides (~10%), projects (~15%), unit tests (~25%), midterm exam (~25%), and a final exam (~25%). All work can be completed from home except for the midterm exam and the final exam, which requires a password and must be written under the supervision of a teacher. Students may be asked to be supervised by a teacher for certain unit tests.

Resources

All materials are online, so access to a reliable high-speed internet is essential, and students use a laptop, desktop, or Chromebook. No textbook or workbook is required.