



Life Sciences 11

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Introduction

Welcome to Life Sciences 11! This course examines the unity and diversity of life on our planet with a strong emphasis on the principles of, and evidence for, evolutionary theory. Successful learners arrive at an understanding of how representative organisms have evolved through time, both structurally and functionally, in order to conduct all life processes and exist in harmony with the rest of the biosphere.

Topics in Life Sciences 11

Scientific Method
Taxonomy
Adaptation & Evolution
Microbiology
Plant Biology
Animal Biology

What is Island ConnectEd Life Sciences 11 like?

Life Sciences 11 is an introductory course designed for those students that need either a general Grade 11 Science credit or Life Sciences 11, in particular, as a prerequisite for post-secondary education.

You will learn the guiding principles of evolutionary biology and ecology, have access to a variety of media to support learning online, participate in labs in both face to face and virtual settings, develop Web 2.0 skills as a direct result of engagement with the course materials and participate in online discussion forums with your learning community.

Learners should have a strong interest in the living world and be prepared to approach the material with an open mind.

Assessment

Grades will be calculated according to the following weightings:

Substantive Assignment (Unit 1)	7 %
Assignments	33 %
Labs	20 %
Unit Tests	40 %

Mastery is encouraged. Students who wish to improve their work and resubmit are invited to discuss their options with their teacher. When the authenticity of student work is in question, the teacher reserves the right to base final grades on teacher supervised assignments and assessments.

Please note that official registration in the course occurs only after the student has completed Unit 1 (otherwise known as the substantive assignment). This means that the course will not appear on any official reporting document until the student has fulfilled this requirement.

The substantive assignment addresses the following curricular competencies:

Students are expected to be able to:

- demonstrate a sustained intellectual curiosity about a scientific topic or problem of personal, local or global interest.
- know and use taxonomic principles of biological classification
- design an experiment using the scientific method

Attendance

Please be aware that Island Connect K -12 does not have a general attendance requirement. However, it is in your best interests to make a habit of checking in with Kim Pepler (your teacher) at least once a week – face to face, by email or phone. Past learners have stated that such contact promotes engagement with the course materials and serves to motivate them to complete the work in a timely fashion.

Completion Timeline Expectations

Successful learners typically finish within four months of initial enrollment in this course. COMMIT to achieving your goals! Make a learning plan!