

Unit 5: The Study of Living Systems

Outline Learning Plan

The outline learning plan demonstrates one way in planning the delivery and assessment of this unit.

Topic and suggested assignments/activities
Introduction to unit
<p>Theory work on cells and tissues, including the major organelles of eukaryotic cells</p> <p>Practical activity looking at slides of eukaryotic cells to view the main organelles for Assignment 1: Structure of Eukaryotic Cells (AC 1.1) – observation and report with drawings</p> <p>Formal teaching of the structure of the nervous and endocrine systems (in outline only)</p> <p>Theory work on the role of both the nervous and endocrine systems in homeostasis</p> <p>Assignment 2: The Role of the Nervous and Endocrine Systems in Homeostasis (AC 1.2 and 1.3) – labelled poster with flow diagrams</p>
<p>Formal teaching of ecosystems</p> <p>Theory and practical work on ecosystems, including components of an ecosystem and how animals adapt to their environment for Assignment 3: Components of an Ecosystem and Adaptations in Ecosystems (AC 2.1 and 2.2) – report from field trip or question and answer session with individual students</p> <p>Theory work on the effects of humans on ecosystems for Assignment 4: Effects of Humans on Ecosystems (AC 2.3) – presentation</p>
<p>Theory work on genes, including inheritance and variation</p> <p>Research into an inherited disease</p> <p>Assignment 5: Role of Genes in Inheritance and Variation (AC 3.1 and 3.2) – report or presentation</p>